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PERSONAL.

Prof. J. B. Davis, of the University of Michigan, has been elected City Engineer of Ann Arbor, Mich.

Prof. F. E. Turneaure, of the University of Wisconsin, has been elected City Engineer of Madison, Wis.

Mr. Charles B. Cooke has been elected City Engineer of Wheeling, W. Va., to succeed Mr. A. L. White.

Mr. Charles H. Cornes, City Engineer of Lockport, N. Y., has resigned to accept a position in Boston, Mass.

Mr. C. H. Wellman, Chief Engineer of the Wellman-Seaver Engineering Co., of Cleveland, O., has gone on a pleasure trip to Europe.

Mr. C. F. Greever has resigned as City Engineer of Leavenworth, Kan., and Mr. W. G. Neely has been appointed to the position.

Mr. Willard H. Smith, of Chicago, Ill., Director of Civil Engineering and Classification at the Paris Exposition, has recently sailed for Europe.

Mr. Martin Schenck, former Engineer and Surveyor for the State of New York, has been appointed Chief Engineer of the Department of Parks, Borough of Bronx, New York city.

Lieutenant John B. Blish, U. S. N., who is now at Newport News, Va., establishing a wireless telegraphy station, has been ordered to proceed to Europe to study submarine cable laying.

Mr. B. W. Grist, formerly with the Pennsylvania Iron Works, has been appointed General Superintendent of the Riehle Bros. Testing Machine Co., 1424 N. 9th St., Philadelphia, Pa.

Messrs. K. Kamagechi, M. Tamura and I. Ishido, civil engineers in the employ of the Japanese Government, are traveling in America for the purpose of inspecting engineering works.

Mr. Burr Bassell, of Los Angeles, Cal., has given up his private practice to take charge of the construction of a large dam for the Standard Electric Co., of California, at Mokelumne Hill, Cal.

Mr. M. F. Bonzano, General Manager of the Chattanooga Southern R. R., will retire shortly and will be succeeded by Mr. W. W. Kent, of Houston, Tex., of the Galveston, Houston & Northern R. R.

Mr. W. North Robins has resigned as draftsman in the Engineering Department of Syracuse, N. Y., to accept a similar position with the Choctaw, Oklahoma & Gulf R. R., at Little Rock, Ark.

Mr. Algernon Dewhurst, of Skipton, Eng., and Mr. George Wiley, of Nottingham, Eng., officers of the English Sewing Cotton Co., are making a tour of inspection of the New England cotton mills.

Mr. E. A. Bond, Engineer and Surveyor for the State of New York, has appointed the following assistants: Mr. George A. Fairbanks, Mr. Thomas Barrolley, Mr. William R. Storey and Mr. Abram P. Samuelson.

Mr. Ernest G. Marble, recently engaged in the shoe manufacturing business at Lynn, Mass., has gone to Duluth, Minn., where he will open an office as a civil engineer. Mr. Marble is a graduate of Tuft's College.

Mr. J. H. Glendenning, Mechanical Engineer, has opened at office at 1512 Monadnock Block, Chicago, and will undertake the design of special machinery, etc. He also represents a number of boiler and machine works as agent.

Mr. J. E. Rodes, formerly General Manager of the Harriman & Northeastern Ry., has been appointed General Manager of the Tennessee Central Ry., which is just opening its first division for traffic. Mr. C. F. Newton, formerly with the Northern Pacific Ry., becomes General Superintendent.

OBITUARY.

Mr. Eugene Martin, civil engineer, died of consumption at San Diego, Cal., on May 17.

Mr. Thomas Bowater, Manager of the Lockhart Iron Works, died at Pittsburg, Pa., on May 24.

Mr. Amos Franklin Breed, Manager and President of the Lynn & Boston St. Ry., and President of the Massachusetts Electric Ry. Co., died on May 22 at his home in Lynn, Mass.

Mr. William H. Mechem, a civil engineer of the Chicago & Grand Trunk Ry., was killed at Davison, Mich., on May 17, while attempting to board a moving train. He was 36 years old and a brother of Prof. Floyd R. Mechem, of the University of Michigan. In our last issue his name was erroneously spelled Meechan.

Mr. N. P. Hill, former United States Senator from Colorado, died at Denver on May 22. Mr. Hill graduated from Brown University in 1856, and remained there as Professor of Chemistry until 1867, when he resigned to organize the Boston & Colorado Smelting Co. He was the first to treat refractory ores successfully. In 1891 President Harrison appointed him one of the three members of the International Monetary Commission.

Mr. Timothy B. Blackstone, former President of the Chicago & Alton R. R. Co., died at his home in Chicago, Ill., on May 26. In 1848 Mr. Blackstone assisted in the survey of the New York, New Haven & Hartford Ry., and later he became Assistant Engineer of the Stockbridge & Pittsfield Ry. In 1851 he became Chief Engineer of the Illinois Central Ry., and four years later he superintended the building of the Joliet & Chicago Ry., of which he was made President upon its completion. When this road was consolidated with the St. Louis, Alton & Chicago Ry. as the Chicago & Alton Ry., Mr. Blackstone was made President of the new company.

ENGINEERING SOCIETIES.

COMING GENERAL MEETINGS.

AMERICAN FOUNDRYMEN'S ASSOCIATION.
June 5 and 6. Annual meeting at Chicago, Ill. Secy., John A. Penton, Detroit, Mich.
MASTER CAR BUILDERS' ASSOCIATION.
June 18. Annual meeting at Saratoga, N. Y. Secy., Jos. W. Taylor, 667 Rookery Bldg., Chicago, Ill.
INTERNATIONAL MINING CONGRESS.
June 19 to 23. Annual meeting at Milwaukee, Wis. Secy., Irwin Mahan, Sentinel Building, Milwaukee, Wis.
AMERICAN RAILWAY MASTER MECHANICS' ASSOCIATION.
June 21 to 23. Annual meeting at Saratoga, N. Y. Secy., Jos. W. Taylor, 667 Rookery Bldg., Chicago, Ill.
AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE.
June 23 to 30. New York city. Secy., L. O. Howard, U. S. Dept. of Agriculture, Washington, D. C.
CANADIAN ELECTRICAL ASSOCIATION.
June 27 to 29. Annual meeting at Ottawa, Ont. Secy., C. H. Mortimer, Confederation Life Bldg., Toronto, Can.
SOCIETY FOR THE PROMOTION OF ENGINEERING EDUCATION.
June 2 to 4. Annual meeting at New York city. Secy., Edgar Marburg, University of Pennsylvania, Philadelphia, Pa.
AMERICAN SOCIETY OF CIVIL ENGINEERS.
July 5. At London, Eng. Secy., Chas. W. Hunt, 220 W. 57th St., New York city.
RAILWAY TRANSPORTATION ASSOCIATION.
July 18. Annual meeting at Detroit, Mich. Secy., C. P. Conard, 24 Park Place, New York city.

COMING LOCAL MEETINGS.

TECHNICAL SOCIETY OF THE PACIFIC COAST.
June 1. At San Francisco. Secy., O. Von Geldern, 819 Market St., San Francisco, Cal.
ENGINEERS' SOCIETY OF WESTERN NEW YORK.
June 4. At Buffalo. Secy., G. C. Diehl, 836 Ellicott Square, Buffalo, N. Y.
WESTERN SOCIETY OF ENGINEERS.
June 6. At Chicago, Ill. Secy., Nelson L. Litten, Monadnock Blk., Chicago, Ill.
ST. LOUIS RAILWAY CLUB.
June 8. Secy., H. H. Roberts, 511 Commercial Bldg., St. Louis, Mo.
DENVER SOCIETY OF CIVIL ENGINEERS.
June 12. Secy., W. B. Lawson, 36 Jacobson Bldg., Denver, Colo.
ENGINEERS' CLUB OF MINNEAPOLIS.
June 18. Secy., H. E. Smith, 1620 S. 84th St., Minneapolis, Minn.
ENGINEERS' SOCIETY OF WESTERN PENNSYLVANIA.
June 19. At Pittsburg. Secy., R. A. Fessenden, 410 Penn Ave., Pittsburg, Pa.
ENGINEERS' CLUB OF ST. LOUIS.
June 20. Secy., Fred E. Bausch, 1600 Lucas Place, St. Louis, Mo.
BOSTON SOCIETY OF CIVIL ENGINEERS.
June 20. Secy., S. E. Tinkham, City Hall, Boston, Mass.
ENGINEERS' CLUB OF CINCINNATI.
June 21. Secy., J. F. Wilson, P. O. Box 333, Cincinnati, O.

AMERICAN SOCIETY OF MECHANICAL ENGINEERS.—The society as a representative body of American engineers has been invited by the several societies of engineers in England, France and Germany to be the recipients of courtesies and attentions on the occasion of a possible visit of such engineers to Europe during the summer of 1900. The Institution of Mechanical Engineers of Great Britain, Storey's Gate, St. James Park, Westminster, S. W., London, holds its meeting in London, June 27 to 29. It has invited the American engineers to meet with them and be the recipients of certain courtesies during that meeting. It is imperatively necessary that those members of the society who wish to participate in this meeting should arrange to attend, by person or by letter, a meeting to organize the American party in advance of this meeting, to be held June 25 in the council chamber of the British Institution of Mechanical Engineers. The Institution of Civil Engineers of Great Britain, Great George St., Westminster, S. W., holds its conversazione and official reception on July 5, in the Guild Hall of the City of London, and the American engineers are invited to be the guests of the Institution on that evening. The Society of Civil Engineers of France, 19 Rue Blanche, Paris, has offered a reception to delegates in limited number, who may be in Paris between the 15th of June and the 20th of that month. Messrs. Ludwig Loewe & Co., 43-44 Dorotheenstrasse, Berlin, have expressed their desire to have the members of the society visit their new machine shops in Berlin, and to arrange for their visiting other places of interest in that city, as well as to show all hospitality possible in the way of social entertainment. The series of congresses which have been arranged for the period of the Exposition cover dates running from the second week in July to the latter part of August. The congress designated as that concerned with Mecanique Applique is perhaps that to which the Mechanical Engineers would most naturally attach themselves, and covers Shop Organization, Mechanical Laboratories, Mechanical Application of Electricity, Transmission Machinery, Hydraulic Motors, Boilers, High-Speed Motors, Thermic-Motors and Automobile Carriages. Those who desire to attend this congress, July 19 to 25, may address themselves to Mons. Richard, 44 Rue de Rennes, Paris. Many of the members are also interested in the congress concerned with Testing Materials, July 9 to 16. The council of this society, at a recent meeting, directed that an Executive Committee be formed of members who are to be in Europe during the summer, which Committee should constitute the channel through which members of the society might receive the courtesies intended for them by their European hosts, and which should be a "Bureau of Information and Organization" in administering the affairs of the society during the European visit of its members. That Executive Committee was appointed to consist of four members of the council and one honorary member resident in England. It therefore consists of Charles H. Morgan, of Worcester, President and Chairman; Henry H. Suplee, Secretary; Jesse M. Smith, William H. Wiley, and James Dredge, of London, England. Mr. Suplee, Secretary of the Committee, has already located himself in London, and will be found at the office of the "Engineering Magazine," 222-225 Strand, London.

NEW PUBLICATIONS.

STATE BOARD OF HEALTH OF MICHIGAN.—Report for 1896-7. Henry B. Baker, M. D., Secretary, Lansing, Mich. Cloth; 7 × 9 ins.; pp. CXLVII. + 569; tables and diagrams.

As usual, this report contains very full statistical studies of sickness and death in the State for a number of years past. There are also meteorological tables and other matters of general interest.

YALE FOREST SCHOOL.—Issued by Yale College; Arthur T. Hadley, President. Paper; 5¼ × 8 ins.; pp. 16.

This pamphlet describes the scope and equipment of this school, and its course of instruction, which covers two years. The legal, engineering and commercial aspects of forestry are included, as well as its technical and economic features, together with botany, geology and other related studies.

STATE BOARD OF HEALTH OF RHODE ISLAND.—Report for 1897. Gardner T. Swarts, Secretary, Providence, R. I. Cloth; 6 × 9 ins.; pp. 171 + 296 (Vital Statistics); tables.

This belated report contains special reports from town clerks and health officers regarding the sanitary improvements and general health conditions of the various towns and cities; facts in regard to public water supplies, including reports of systematic analyses; meteorological tables, vital statistics and other matter of more or less general interest.

TRADE PUBLICATIONS.

(The standard sizes for pamphlets and trade catalogues recommended by all the principal engineering societies of the United States are: 3½x6 ins., 6x9 ins., and 9x12 ins.)

FIREMEN'S TOOLS.—Joseph G. Pollard, 141 Raymond St., Brooklyn, N. Y. Paper folder.

This is an illustrated price-list of hoes, slice-bars, rakes, pokers, etc.

ELECTRICAL SUPPLIES.—Western Electrical Supply Co., St. Louis, Mo. Paper; 6 × 9 ins.; pp. 36.

This is the trade discount sheet to General Catalogue No. 14 of the above company.

GUN CARTRIDGES.—Union Metallic Cartridge Co., Bridgeport, Conn. Paper; 4 × 6 ins.; pp. 48.

This is a catalogue and price list of gun cartridges manufactured by the above firm.

BOILERS.—E. Keeler Co., Williamsport, Pa. Paper; 9 × 6 ins.; pp. 41; illustrated.

Tubular boilers, boiler settings, steel stacks, etc., are listed with prices in this catalogue.

PAPER CUTTERS.—Paragon Machine Works, Philadelphia, Pa. Paper; 5½ × 6 ins.; illustrated.

This small folder calls attention to paper cutting machines manufactured by the above company.

PNEUMATIC TOOLS.—Philadelphia Pneumatic Tool Co., Philadelphia, Pa.

The above company manufactures pneumatic rammers for foundrymen, hammers and chippers and drills.

ENGINES AND GENERATORS.—B. F. Sturtevant Co., Boston, Mass. Paper; 8 × 10½ ins.; pp. 8; illustrated.

Direct current generating sets with automatic horizontal and upright engines are described in this pamphlet.

PRINTERS' TYPE.—Keystone Type Foundry, 734 Sansom St., Philadelphia, Pa. Paper; 7 × 11 ins.; pp. 8; illustrated.

This is an illustrated catalogue of types and borders for printers.

MECHANICAL SHAFT.—B. F. Sturtevant Co., Jamaica Plain, Mass. Paper; 3 x 6 ins.; pp. 8; illustrated.

This leaflet tells of the substitution of a mechanical draft outfit for a chimney at the works of the above company.

HIGH-PRESSURE WATER PUMPS.—The Watson-Stillman Co., 204 E. 43d St., New York city. Paper; 6 x 9 ins.; pp. 70; illustrated.

This catalogue describes and illustrates high pressure pumps for hydraulic presses, testing machines, etc.

DEEP WELL PUMP HEADS.—The Hill Machine Co., Anderson, Ind. Paper; 6 x 9 ins.; pp. 4; illustrated.

This circular describes both geared and plain belted pumping heads for deep wells, and also combined check valves and air chambers.

WATER TUBE BOILERS.—L. Byer's Sons, 90 Wall St., New York city. Paper; 10 x 7 ins.; pp. 16; illustrated.

This pamphlet describes the Boyer sectional water-tube boiler which is said to be very suitable for marine use because of its small dimensions and quick steaming qualities.

TRANSMISSION ROPE.—C. W. Hunt Co., West New Brighton, New York. Paper; 7 x 5 ins.; pp. 8; illustrated.

This is a circular setting forth the advantages of the Manila rope manufactured by the above company for power transmission purposes.

AIR COMPRESSORS.—Vulcan Iron Works, Wilkesbarre, Pa. Paper; 6 x 9 ins.; illustrated.

The above company has issued three circulars describing its single and duplex steam driven air compressors, of the Corliss and slide-valve types. Good illustrations and tables of dimensions and prices are given.

CONSTRUCTION NEWS.

CONDENSED LIST OF CONTRACTS PENDING WITH DATE OF OPENING BIDS.

Bids to be opened	Work.	Place.	See Eng. News.
May 31.	Dredging,	Boston, Mass.	May 24
May 31.	Bridge approaches,	New York, N. Y.	May 10
May 31.	Bridge approaches,	New York, N. Y.	May 3
May 31.	Masonry dam,	New Haven, Conn.	May 31
June 1.	Preventing smoke,	Denver, Colo.	May 31
June 1.	Electric lighting,	Toronto, Ont.	Apr. 26
June 1.	Water-tight joint,	New Orleans, La.	May 10
June 1.	Civil Engr. for w-wks.,	St Michaels, Md.	May 24
June 2.	Garbage removal, etc.,	Washington, D.C.	May 24
June 2.	Sewer pipe, blocks, etc.,	Washington, D.C.	May 17
June 2.	Vitrified paving blocks,	Washington, D.C.	May 17
June 2.	Sidewalk paving blocks,	Washington, D.C.	May 17
June 2.	Granite curbing, etc.,	Washington, D.C.	May 17
	Advertised, Engineering News, May 17.		
June 2.	Paving,	Cambridge, O.	May 17
	Advertised, Engineering News, May 17.		
June 3.	Electric plant,	Fredericksburg, Va.	May 17
	Advertised, Eng. News, May 17 to 31.		
June 4.	Electric lighting,	Salem, Ore.	May 17
June 4.	Electric lighting,	Corning, N. Y.	May 17
June 4.	Electric franchise,	Cloverport, Ky.	May 17
June 4.	Water-works franchise,	Cloverport, Ky.	May 17
	Advertised, Engineering News, May 17.		
June 4.	Sewer pipe,	E. Conemaugh, Pa.	May 17
June 4.	Arch bridge,	Niagara Falls, N. Y.	May 3
	Advertised, Eng. News, May 3 and 10.		
June 4.	Ammunition lifts, etc.,	Washington, D. C.	May 10
	Advertised, Eng. News, May 10 to 31.		
June 4.	Steel arch bridge,	Paterson, N. J.	May 24
June 4.	Iron span,	California, Ky.	May 24
	Advertised, Eng. News, May 24 and 31.		
June 4.	Altering building,	New York, N. Y.	May 24
June 4.	Pipe sewers,	Darby, Pa.	May 24
June 4.	Sewer bonds,	Hackensack, N. J.	May 24
June 4.	Macadam paving,	Roselle, N. J.	May 24
	Advertised, Engineering News, May 24.		
June 4.	Water-works,	Dayton, Minn.	May 24
June 4.	Stone and steel bridge,	Auburn, N.Y.	May 31
June 4.	Annex to high school,	Allegheny, Pa.	May 31
June 4.	Brick paving,	Rome, N. Y.	May 31
	Advertised, Engineering News, May 31.		
June 4.	Macadam paving,	Paterson, N.J.	May 31
June 4.	Water and sewer bonds,	Vineland, N. J.	May 31
June 4.	Jail,	Douglas, Ga.	May 31
June 5.	Machine tools,	Boston, Mass.	May 31
June 5.	Hospital building,	New York, N. Y.	May 31
June 5.	Steel bridge,	Albion, Ind.	May 31
June 5.	Septic tank,	Berlin, Ont.	May 31
June 5.	Pipe sewer,	Davenport, Ia.	May 31
June 5.	School house,	St. Bernard, O.	May 24
June 5.	Electric lighting,	Palatka, Fla.	May 24
June 5.	Sewerage system,	Grand Junction, Colo.	May 24
June 5.	Removing wreck,	New York, N. Y.	May 3
	Advertised, Eng. News, May 3 to 24.		
June 5.	Foundatn for pump'g station,	etc., Chicago.	May 17
June 5.	Paving,	Portsmouth, O.	May 17
June 5.	Paving,	Lima, O.	May 17
June 5.	Bridge,	Castlewood, S. Dak.	May 17
June 5.	Paving,	Bellefontaine, O.	May 17
June 6.	Altering building,	Washington, D.C.	May 17
June 6.	Electric lighting,	Mansfield, O.	May 17
June 6.	Granite paving,	Cohoes, N. Y.	May 24
	Advertised, Engineering News, May 24.		
June 6.	Paving,	Tampa, Fla.	May 24
June 6.	Filter plant,	Philadelphia, Pa.	May 24
June 6.	Hospital building,	Tomah, Wis.	May 24
June 6.	Pipe sewers,	Appleton, Wis.	May 24
June 6.	Addition to engine house,	Houghton, Mich.	May 31
June 6.	Building materials,	Salt Lake City, Utah.	May 31
June 6.	Building road,	Mt. Vernon, Wash.	May 31
June 6.	Naphtha lighting,	Mansfield, O.	May 31
June 6.	Paving,	Baltimore, Md.	May 31
June 6.	Bridge,	Paoli, Ind.	May 31
June 6.	Naphtha lighting,	Baltimore, Md.	May 31
June 6.	Wagon road bridge,	Eugene, Ore.	May 31
June 6.	Bridges (7),	Beaumont, Ill.	May 31
June 6.	Sewers,	New York, N. Y.	May 31
June 7.	Howe truss bridge,	Salem, Ore.	May 31
June 7.	Macadam paving,	Brooklyn, N. Y.	May 31
June 7.	Sewer,	Ashland, O.	May 31
June 7.	Building of three roads,	Boylston, Mass.	May 31
	Advertised, Engineering News, May 31.		
June 7.	Steel bridge,	Xenia, O.	May 31
June 7.	Paving,	Montreal, Que.	May 31
June 7.	High school building,	N. Tonawanda, N.Y.	May 31
June 7.	Post office building,	Fort Myer, Va.	May 31
June 7.	Endless cable car service,	Morristown, N.J.	May 24
	Advertised, Engineering News, May 24.		
June 7.	Supplies, boiler, etc.,	New York, N.Y.	May 24
June 7.	Chemical fire engine,	Shreveport, La.	May 24
June 7.	Church,	Cresco, Ia.	May 17
June 8.	Bridge,	Geneva, Ind.	May 17
June 8.	Machine shops,	Pittsburg, Pa.	May 31
June 8.	Bridges (wooden?),	Woolley, Wash.	May 31
June 8.	Iron bridge,	Ada, Mich.	May 31
June 8.	Bridge abutments, etc.,	Glendive, Mont.	May 31
June 8.	Street improvements,	Greenville, O.	May 31
June 8.	Barracks, etc.,	Fort Crockett, Tex.	May 31
June 9.	Water tower,	Kilbourn, Wis.	May 31
June 9.	Bridge superstructure,	Cincinnati, O.	May 31
June 9.	Paving bricks,	Galveston, Tex.	May 31
	Advertised, Engineering News, May 31.		
June 9.	Macadam paving,	Rawson, O.	May 31
June 9.	Court house,	Clarksville, Tenn.	May 31
June 9.	Light house,	Philadelphia, Pa.	May 17
	Advertised, Eng. News, May 17 and 24.		
June 9.	Repairing asphalt,	Washington, D. C.	May 17
	Advertised, Engineering News, May 17.		
June 9.	School building,	Yankeesburg, O.	May 17
June 9.	Lock,	Cincinnati, O.	May 17
	Advertised, Eng. News, May 17 to June 7.		
June 9.	Repairing building,	Eaton, O.	May 17
June 9.	Arch,	Washington, D. C.	May 24
June 9.	Earth excavation,	Washington, D. C.	May 24
June 9.	Sewers,	Washington, D. C.	May 24
	Advertised, Engineering News, May 24.		
June 9.	School house,	West Liberty, O.	May 24
June 9.	Light house,	Philadelphia, Pa.	May 24
June 10.	Hospital building,	Columbia Falls, Mont.	May 24
June 11.	Dredging,	Norfolk, Va.	May 17
	Advertised, Eng. News, May 17 and 24.		
June 11.	Paving,	Toledo, O.	May 17
June 11.	High school building,	Chagrin Falls, O.	May 17
June 11.	Pumping engine,	Millersburg, O.	May 17
June 11.	Sewerage bonds ($30,000),	Pomona, Cal.	May 17
June 11.	Pipe sewers,	Springfield, O.	May 17
June 11.	Dredging,	Norfolk, Va.	May 17
June 11.	Mill superstructure,	Rumford Falls, Me.	May 10
	Advertised, Eng. News, May 10 and 17.		
June 11.	Steam fire engine,	Cleveland, O.	May 24
June 11.	Electric plant,	Hagerstown, Md.	May 24
	Advertised, Eng. News, May 24 and 31.		
June 11.	Steel bridge,	Farmington, Mo.	May 24
June 11.	Tanks,	Sistersville, W. Va.	May 24
June 11.	Stand-pipe,	Randolph, Neb.	May 24
	Advertised, Engineering News, May 24.		
June 11.	School house,	Berea, O.	May 24
June 11.	Buildings,	Inverness, Ga.	May 24
June 11.	Macadam paving,	Ashland, O.	May 31
June 11.	Pier, etc.,	Yonkers, N. Y.	May 31
June 11.	Paving,	Cuyahoga Falls, O.	May 31
June 11.	Brick paving,	Fredonia, N. Y.	May 31
June 11.	Street improvements,	Des Moines, Ia.	May 31
June 11.	Steel bridge,	Cheyenne, Wyo.	May 31
June 11.	Sewer,	North Tonawanda, N. Y.	May 31
June 11.	Beacons,	Pensacola, Fla.	May 31
June 12.	Jail,	Bowling Green, Va.	May 24
June 12.	Ordnance supplies,	Rock Island, Ill.	May 24
June 12.	Dredging,	San Francisco, Cal.	May 24
June 12.	Hospital building,	Riverside, Cal.	May 31
June 12.	Electric wiring,	St. Louis, Mo.	May 31
June 12.	Repairing wharf,	St. Louis, Mo.	May 31
June 12.	Improving power plant,	Great Works, Me.	May 31
	Advertised, Eng. News, May 31 and June 7.		
June 13.	County road work,	Paoli, Ind.	May 24
June 13.	Gas generator,	Philadelphia, Pa.	May 24
June 14.	Paving,	Lima, O.	May 24
June 14.	Plans for school,	Natchez, Miss.	May 24
June 14.	Iron work for dam,	Little Rock, Ark.	May 24
	Advertised, Eng. News, May 24 to June 6.		
June 14.	School house,	Columbus, O.	May 24
June 14.	River improvements,	Cleveland, O.	May 24
	Advertised, Eng. News, May 24 to June 6.		
June 14.	Transit tunnel,	Boston, Mass.	May 17
	Advertised, Eng. News, May 17 to June 7.		
June 14.	Y-Bridge,	Zanesville, O.	May 17
June 14.	Water-works,	Monmouth, Ill.	May 10
	Advertised, Eng. News, May 10 to June 7.		
June 14.	Water-works, sewers,	Yakima Agcy, Wash.	May 31
June 14.	Addition to dormitory,	Yakima, Wash.	May 31
June 14.	Light house,	Baltimore, Md.	May 31
June 15.	School house,	Akron, O.	May 31
June 15.	Bridge abutment,	Geneseo, N. Y.	May 31
June 15.	Bridges,	Holyoke, Mass.	May 31
	Advertised, Engineering News, May 31.		
June 15.	School house,	Sturgeon Falls, Ont.	May 31
June 15.	Trunk sewer,	Cincinnati, O.	May 31
June 15.	Brick pavement,	Alexandria, Ind.	May 31
June 15.	Sewers,	Pasadena, Cal.	May 10
June 15.	Improvement bonds,	Winnipeg, Man.	May 10
June 15.	Pipe sewers (5,000 ft.),	Woodstock, Vt.	May 8
June 15.	Dredging plants,	Cincinnati, O.	May 17
	Advertised, Eng News, May 17 to June 7.		
June 15.	Water mains,	Humboldt, Tenn.	May 24
June 15.	Ordnance supplies,	Governor's Island, N.Y.	May 24
June 16.	Crushing stone,	Washington, D. C.	May 24
	Advertised, Engineering News, May 24.		
June 16.	Masonry arch bridge,	Washington, D.C.	May 24
	Advertised, Engineering News, May 24.		
June 16.	School building,	Chalfants, O.	May 17
June 16.	Garbage crematory,	San Francisco, Cal.	May 10
June 16.	Macadam paving,	Clinton, Ia.	May 31
June 16.	School house,	Fresno, Cal.	May 31
June 16.	School houses (2),	Mt. Pleasant, Pa.	May 31
June 16.	Boulevard improvements,	Chicago, Ill.	May 31
June 16.	Brick pavement,	Marion, O.	May 31
June 16.	Street work,	Tewksbury, Mass.	May 31
June 16.	Indian buildings,	Pima, Ariz.	May 31
June 17.	Improving hospital,	Fort Hancock, N.J.	May 31
June 17.	Extending dock,	Yonkers, N. Y.	May 17
	Advertised, Eng. News, May 17 to 31.		
June 17.	Electric generator,	Halletsville, Tex.	May 17
June 18.	Plans for town hall,	Glens Falls, N.Y.	May 17
	Advertised, Eng. News, May 17 to 31.		
June 18.	School house,	McConnellsville, O.	Apr. 26
June 18.	Bridge,	Canton, O.	May 24
June 18.	School house,	Marietta, O.	May 31
June 18.	Building,	Sandusky, O.	May 31
June 18.	Water pipe, etc.,	Collinwood, O.	May 31
June 18.	Hydrants, gates, etc.,	Collinwood, O.	May 31
June 18.	Floating bridge,	Peterborough, Ont.	May 31
June 18.	Street improvements,	Lancaster, O.	May 31
June 18.	School bonds ($100,000),	Palmyra, Mo.	May 31
June 18.	School house,	West Toledo, O.	May 31
June 18.	Pipe sewer,	Madelia, Minn.	May 31
June 18.	Brick sewers, etc.,	Wellsville, O.	May 31
June 18.	Elevator plant,	Philadelphia, Pa.	May 31
June 19.	Tools,	Puget Sound Naval Stat'n, Wash.	May 31
June 19.	Sewerage system,	East Hartford, Conn.	May 31
	Advertised, Eng. News, May 31 to June 14.		
June 19.	Dipper dredge,	Montgomery, Ala.	May 24
	Advertised, Eng. News, May 24 to June 14.		
June 19.	Granite paving,	Waterbury, Conn.	May 17
June 19.	Court house,	Fort Dodge, Ia.	May 31
June 20.	Hospital building,	Toledo, O.	May 10
June 20.	Addition to reformatory,	Mansfield, O.	May 31
June 20.	Water bonds,	Bellevue, O.	May 31
June 20.	Water bonds,	Boulder, Colo.	May 31
June 21.	Macadam paving,	Oakley, O.	May 31
June 21.	Improving streets,	Carthage, O.	May 31
June 22.	Brick pavement,	Crawfordsville, Ind.	May 31
June 23.	Boilers,	St. Louis, Mo.	May 31
	Advertised, Eng. News, May 24 to June 14.		May 24
June 25.	Pipe sewers,	Great Falls, Mont.	
June 25.	Elevator plant,	Atlanta, Ga.	May 3
June 25.	Gas lighting,	Vincennes, Ind.	May 31
June 25.	Ice piers,	Philadelphia, Pa.	May 31
	Advertised, Eng. News, May 31 to June 21.		May 31
June 25.	Light-house tender,	Washington, D. C.	
June 26.	Water tunnel and shaft,	Cincinnati, O.	May 31
	Advertised, Eng. News, May 31 to June 14.		May 31
June 26.	Bridge,	Chitwood, Ore.	
June 27.	Reservoir,	Bellevue, O.	May 24
June 27.	Levees,	Memphis, Tenn.	May 31
	Advertised, Eng. News, May 24 to June 21.		May 31
June 28.	Excavating,	Vicksburg, Miss.	
	Advertised, Eng. News, May 31 to June 21.		May 31
June 29.	Dikes,	Mount City, Ill.	
	Advertised, Eng. News, May 31 to June 21.		May 31
June 30.	Dredging, etc.,	Galveston, Tex.	
	Advertised, Eng. News, May 31 to June 21.		May 31
June 30.	Dredging,	Newport, R. I.	
	Advertised, Eng. News, May 31 to June 21.		May 31
June 30.	Barracks, etc.,	Fort Caswell, N. C.	
June 30.	Bridges,	Lisbon, Portugal.	May 31
June 30.	Pumping engines (2),	Washington, D. C.	Apr. 26
	Advertised, Engineering News, Apr. 26.		Apr. 26
June 30.	Controlling canal flow,	Chicago, Ill.	
June 30.	Covered wooden bridge,	Atlanta, Ga.	May 24
July 1.	Gas lighting,	Mansfield, O.	May 24
July 1.	Wrought iron bridge,	Eureka, Cal.	May 24
July 2.	Bridge,	Goldendale, Wash.	May 24
July 2.	Electric lighting,	Oskaloosa, Ia.	May 10
	Advertised, Engineering News, May 24.		May 24
July 2.	Bridge,	Quincy, Cal.	
July 5.	Drainage ditch,	Onawa, Ia.	May 31
July 11.	Pumping engines (2),	Detroit, Mich.	May 31
	Advertised, Eng. News, Apr. 12 to 26.		Apr. 12
July 11.	Bridge,	Chicago, Ill.	
July 19.	Electric bonds ($10,000),	Lakewood, Ore.	May 17
July 31.	Improving harbor,	Montevideo, Uruguay.	May 10
Aug. 1.	Bridge,	Sydney, New South Wales.	Mar. 1
	Advertised, Engineering News, Mar. 15.		Mar. 15
Aug. 1.	Arc lighting,	Buenos Ayres, Argentine.	May 3
No date.	Water-works,	Mancos, Colo.	May 31
	Advertised, Engineering News, May 31.		
"	Lighting franchise,	Mancos, Colo.	May 31
	Advertised, Engineering News, May 31.		

RAILWAYS.

(For foreign railway news see under "Foreign Contract and Export News.")

BALTIMORE & OHIO.—Surveys are reported to have been made for a new cut-off from the Metropolitan Branch to the main line, starting between Tuscarora and Washington Junction, Md., on the Metropolitan Branch, and intersecting the main line near Adamstown. The road will be about four miles long. It is reported that extensive improvements are to be made in the vicinity of Washington Junction, Md., the terminuss of the Metropolitan Branch.——Surveyors are now at work on the route for the proposed cut-off from Salem, W. Va., to the Ohio River, about 16 miles above Marietta, O. Reports from Washington Junction, Md., the terminus of the Metropolitan Maryland state that a contract has been let for the double-tracking of the line between Sand Pitch and Hyndmann, 20 miles. P. H. Irwin, Asst. Ch. Engr., Baltimore, Md.

CHATTAHOOCHEE & GULF.—C. K. Lawrence, Supt. of Construction, Dothan, Ala., writes us that 43 miles of this road have been completed from Columbia to Hartford. The line from Columbia to Dothan is already in operation, 20.7 miles. Tracks are being laid on the remaining 23 miles to Coffee Springs at the rate of one mile per day. The contract for this work was let on Aug. 21, 1899. Ed. T. Comer, Pres., Savannah, Ga.

CHICAGO JUNCTION.—This company is reported to have acquired some 42 acres of land adjacent to the Calumet River at West Hammond, Ind., where it is proposed to establish extensive switching yards, the construction of which will be undertaken as soon as possible. The company is also extending the switching facilities at Chappel. John A. Spoor, Pres.; C. W. Hotchkiss, Ch. Engr., 628 Monadnock Bldg., Chicago, Ill.

CHICAGO & GREAT WESTERN.—Reports state that this company has called for bids for the construction of 60 miles of road from Hampton, Ia., to Sioux City. N. Fernstrom, Ch. Engr., St. Paul, Minn.

CLEVELAND CONSTRUCTION CO.—E. Bertram, Albany, Ky., informs us that surveys are now being made for the company's line, 125 miles long. The right of way will be secured as soon as the survey is completed. Mr. Bertram states that the construction capital has been secured, but the date of letting contracts for the work is as yet indefinite. The line will extend from Sparta, Tenn., to Livingston, thence to Albany, Ky., thence to Monticello, with a terminus at Burnside. R. L. Palmer, Pres., Cleveland, O.

COLUMBIA VALLEY.—The survey of this road from Walla Walla to Ilwaco is reported to have been completed on May 11 by W. P. Watson, Engr. It is said that the company has acquired the partial graded right of way of the Union Pacific R. R. from Vancouver to Kalama. J. N. Coovert, Ch. Engr., Vancouver, Wash.

ENSLEY SOUTHERN.—Reports from Birmingham, Ala., state that the contract for the first nine miles of this 40-mile road, extending from Ensley to Parrish, has been let to Redmon & Donovan, Chattanooga, Tenn., who will start work at once. Other contracts are reported to have been let. J. R. Pill, Asst. Engr. Southern Ry., Birmingham.

GRAND RAPIDS & INDIANA.—Improvements are to be made to this line, including the installation of new interlockers and safety devices. Thos. Rodd, Ch. Engr., Pittsburg, Pa.

GREAT FALLS & CANADA.—An extension is planned by this company to Cardston, Mont., and thence to Swift Current, 30 miles distant. The road will have an easy grade and will pass through the mining district on the ceded strip of the Blackfeet reserve. G. N. Garden, Ch. Engr., Great Falls, Mont.

ILLINOIS SOUTHERN.—This company has been incorporated with $2,000,000 capital stock to build a road from the east line of Marion county, Ill., through Marion, Clinton, Perry and Washington counties, terminating at Chester, Ill., with a branch from Sparta to Roxborough. The road is practically the old Chester & Centralia, which was recently sold under foreclosure. A. F. Hatch, Ed. C. Ritsher and Fred. W. Kraft, Chicago, are the incorporators.

INDIAN CREEK COAL & RAILROAD CO.—Reports state that this company, recently organized, has purchased 7,000 acres of coal land in Springfield township, Pa., and will build a road from Indian Creek, connecting with the Baltimore & Ohio, to Bolivar, 40 miles, where a connection will be made with the Pennsylvania R. R.

JAMESTOWN & LAKE ERIE.—Reports from Westfield, N. Y., state that surveys are being made for an extension of this line from Mayville to Westfield. T. A. Barrolley, Engr., Westfield.

LEHIGH VALLEY.—The improvements on the new division of this road, which will be created as the New York division, on June 1, will involve an expenditure of about $500,000. The principal work will be the completion of the extensive new yards on the Newark meadows, at Oak Island. The rebuilding and strengthening of bridges on the line, the completion of a third track east from the Packerton yards for about 4½ miles and a fourth track west from Packerton, for about two miles, will constitute important parts of the work. A new bridge, 600 ft. long, over the Lehigh River, will be needed on the line west from Packerton, Pa. W. G. Berg, Ch. Engr., South Bethlehem, Pa.

LOUISVILLE & NASHVILLE.—R. Montfort, Ch. Engr., informs us that about 10% of the work has been completed on the line from Nadawah to Camden, Ala., 16 miles. The construction is being done by Peter Manion, Henderson, Ky.

NOME R. R.—Incorporated in California, according to reports, to build a road four miles in length, with a branch 2½ miles long. The road will extend from Nome toward Anvil Creek, in Alaska. The capital stock is $100,000. C. D. Lane, E. J. McCutcheon and C. W. Willard are interested.

PAGOSA SPRINGS & NORTHERN.—It is stated that the construction of this line will be undertaken at once. The new road will run from Pagosa Junction to Pagosa Springs, Colo., about 32 miles. It will be built by the Newton Lumber Co., Pueblo, Colo., and Pagosa Junction. The company will establish a planing mill at Pagosa Junction, where considerable of the timber from the forests owned by the company, through which the road will run, will be cut. The company now has two mills in operation on the route of the line. At the junction a connection will be made with the Denver & Rio Grande. The cost of the road will be about $100,000.

PITTSBURG, SHAWMUT & NORTHERN.—A committee has been appointed by the citizens of Angelica, N. Y., to secure the right of way for the proposed extension of this line from Bolivar to that town, which is to be built this year, providing the right of way is secured. Wm. Barclay Parsons, Ch. Engr., 22 William St., New York.

PITTSBURG, WESTMORELAND & SOMERSET.—An extension of this line to Somerset, Pa., this summer is reported as probable. A force of engineers are now at work locating the route. The extension will open up the lumber, coal and stone territory in that vicinity. J. H. Cochran, Pres., Williamsport, Pa.

RIO GRANDE WESTERN.—The contract for building a two-mile spur from the Kynne quarries to the Potter quarries, in Spanish Fork Canyon, Utah, has been let to H. & T. Raylance, Springville, Utah, according to reports.

SOUTHERN PACIFIC.—Reports state that bids are being received by this company for the construction of a new line in Los Angeles and Ventura to be used as a cut-off for the coast division, shortening the distance between San Francisco and Los Angeles.——Collis P. Huntington, Pres., is reported to have sent a communication to the chamber of commerce of Portland, Ore., to the effect that the company will build a branch line 35 miles long between Sheridan, on the Shasta route, and Tillamook, provided proper inducements, such as free rights of way, are given the company. W. Hood, Ch. Engr., San Francisco, Cal.

TENNESSEE NORTHERN.—An extension from La Follette to Jellico, Tenn., is being considered by the officers of this company. E. T. Warner, Supt., La Follette, Tenn.

TREDEGAR MINERAL.—This road is reported to have been purchased by Alex. T. Loudan, Birmingham, Ala., and associates, who will extend it at once from Jacksonville to Anniston, 12 miles. One of the conditions of sale is that the road to Anniston must be built within six months. J. W. Burke, Pres. and Gen. Mgr., Jacksonville, Ala.

WATONGA & NORTHWESTERN.—This company has been incorporated in Oklahoma, with $2,000,000 capital stock, to build a railway from Geary, on the Choctaw, Oklahoma & Gulf R. R., to Watonga and thence to Kiowa, Kan., where a connection will be made with the Atchison, Topeka & Santa Fe R. R. The main line will be 160 miles in length, and a branch will be built 150 miles long. Beeks Erich, W. R. Kelly, Watonga, and W. H. Phillips, Catawba, are interested.

WILD GOOSE.—Reported as incorporated with $100,000 capital stock to build a road from the shore of the Behring Sea, near Nome, Alaska, toward Anvil Creek, with a branch 1½ miles in length. C. D. Lane, E. J. McCutcheon and C. W. Willard are interested.

WINNSBORO & CAMDEN.—This company has been incorporated in South Carolina, with $200,000, according to reports, to build a road about 30 miles in length, between Winnsboro and Camden, which, when completed, will serve as a branch to the Seaboard Air Line. T. K. Elliott, T. H. Ketchin and J. E. McDonald are the incorporators.

WINNSBORO GRANITE CO.—H. W. H. Armand, Mgr., Rion, S. C., writes us that this road, extending from Rion to Anderson, 13 miles, will be completed by Aug. 1. The work is being done by W. I. Oliver & Co., Langley, S. C. L. Hamlin, Ch. Engr., Rion, S. C.

STREET AND ELECTRIC RAILWAYS.

ROCKLAND, ME.—Sidney M. Bird, Vice-Pres., the Rockland, Thomaston & Camden St. Ry. Co., is reported as stating that an extension would be built from Thomaston to Warren, about 10 miles, this season, making the line a total length of about 30 miles. L. C. Jackson, Ch. Engr.

CHELSEA, MASS.—The board of aldermen have voted in favor of granting a franchise to the Chelsea & Revere St. Ry. Co. for its line through this place. The location has not been decided.

TEWKESBURY, MASS.—The selectmen have granted the Lowell & Lynn St. Ry. Co. a location for its track on Main St., South, for its line from Lynn via Woburn.

NORWICH, CONN.—Geo. E. Pitcher, 49 Shetucket St., Norwich, writes us that the survey and plans for the extension of this line from Norwich to Sprague, about 4½ miles, have been completed. The construction capital has been secured. Geo. E. Pitcher, Ch. Engr.

ALBANY, N. Y.—The Elm St. Connecting Ry. Co. has been incorporated with $20,000 capital stock, to build a street surface railway, 6,000 ft. in length, in Elm St., New York, from Centre to Great Jones St. and Lafayette Place. Chas. E. Warren, Andrew J. Loughlin, New York, and D. E. Clifford Moorehead, Jamaica, L. I., are interested.——The Amsterdam & Hagaman Traction Co. has been incorporated with $100,000 to build a street electric road five miles in length, between those towns. Wm. K. Archbold, New York; Paul T. Brady, Syracuse, and W. Barlow Dunlap, Amsterdam, are interested.

BUFFALO, N. Y.—Local papers state that arrangements have been completed for the construction of the extension of the Hamburg Ry. Co.'s line from Blasdell to Humburg, about 4½ miles distant. Another road is to run from South Park to the site of the new steel plant, thence to Woodlawn Beach, and three miles beyond. It is expected to have the road from South Park completed in a few weeks. B. A. Sowle, Supt.

COLUMBUS, N. J.—The Camden & Trenton Traction Co. proposes to lay tracks through Mansfield township, providing permission is granted. Dr. J. S. Gilbert, Supt.

ELIZABETH, N. J.—It is stated that Henry H. Isham has made arrangements for a new trolley road to operate what is to be known as the Suburban line in the eastern section of this town.——The consolidation of the North Jersey Traction Co. and the Elizabeth City and Elizabeth & Plainfield Trolley Cos. is reported as probable.

DOYLESTOWN, PA.—The Doylestown & Willow Grove Ry. Co. has asked permission to extend its tracks on Main St. to the northern boundary of the borough. Wm. C. Ryer is interested.

POTTSVILLE, PA.—Reports state that the Pennsylvania R. R. Co. proposes to build an electric railway from this place to Primrose and thence to Minersville and Forestville, about 12 miles. W. H. Brown, Ch. Engr., Philadelphia.

DANVILLE, VA.—The contract for building the power house for the Danville Ry. & Electric Co. is said to have been awarded by Wm. J. Payne, Pres., to R. B. Graham. The plant, which will cost about $30,000, will be erected at once.

FAIRMONT, W. VA.—The council has approved the franchise for an electric railway through this place, with a condition that the construction will begin within six months. N. S. Sands, Wheeling; C. S. Sands, Clarksburg, and W. T. Hartman, Fairmont, are interested.

JACKSONVILLE, FLA.—The council has granted a franchise to the promoters of the recreation park plan, to build a street railway through certain streets in this city. The franchise is for a period of 30 years, providing the construction is begun within 60 days. W. A. Hawkins, R. S. Williams, Geo. H. Stewart, Jr., and others, are interested.

BIRMINGHAM, ALA.—C. M. Shelley and associates have asked the council for a franchise to build and operate an electric railway in this city.

FLORENCE, TENN.—The council has granted E. A. Schubert, and parties of Fostoria, O., permission to establish an electric plant and an electric road in this city. It has been agreed upon to build the line of 2¼ miles within fifteen months, and to have eight miles in operation within two and a half years. A company will be incorporated as the Florence St. Ry., Lighting & Power Co., with $150,000 capital stock.

HUNTSVILLE, TENN.—The Huntsville Electric Ry. Co. will probably begin work within the next few weeks in building an extension of its system to Monte Sano.

CLEVELAND, O.—The Citizens' St. Ry. Co. has placed a bid with the Glenville village council for an extension of the proposed Doan St. car line northward to the Lake Shore Ry. tracks.

DAYTON, O.—The Dayton & Northern Traction Co. has been incorporated with $450,000 capital stock, to build an electric railway between Dayton and Greenville, by way of Brookville and Arcanum. Joseph E. Lowes, John E. Feight and Ezra are interested.

NILES, O.—The Mineral Ridge & Niles Traction Co. has been incorporated with $50,000 capital stock to build an electric line between those towns. Arthur A. Anderson, Geo. F. Arrel and Daniel F. Griffiths are interested.

TOLEDO, O.—We are informed that the line of the Toledo & Monroe Ry. is under construction between this city and Monroe, Mich., a distance of 20 miles. The right of way has been secured, grading is completed for one-half the distance, and work on the bridges is being rapidly pushed forward. Track material has been received. Surveys are in progress between Monroe and Newport, with a view of determining the advisability of an extension of the line to the Beaches on Lake Erie. Contractor for steel bridges, The Massillon Bridge Co.; Construction Contractor, J. N. Bick, Toledo; C. A. Black, Pres., and J. M. Mulkey, Gen. Mgr., Detroit, Mich.; Riggs & Sherman, Engrs., Toledo.

TROY, O.—O. P. Maguire writes us that rights of way for the Chillicothe & Hillsboro Traction Co.'s 35-mile electric line have been secured and the preliminary survey made. The capital has not been secured. Dr. Chas. Hoyt, Pres., Chillicothe.

FORT WAYNE, IND.—Local papers state that a franchise has been granted by the town trustees to a company composed of H. F. Schuelker, L. S. Null, New Haven; and L. C. Hunter and others of this city, to construct an electric line from New Haven to Fort Wayne.

MARION, IND.—T. E. Petrie, Supt. and Engr., writes us that the Marion Transit Ry. Co. will begin work this week on the construction of the extension from this city along the Delphi Free Gravel road, through Sweetser, Mier and Converse, about 12 miles. The company has a five-mile road in operation in the city to the National Soldiers' Home, and a branch looping the Normal College grounds. The company has also a franchise for a line from the terminus at the National Soldiers' Home to Gas City, three miles, and one from the Public Square to the northern city limits, about 1½ miles.

WABASH, IND.—Reports state that the voters of Noble township, including this city, have decided in favor of granting the Wabash River Traction Co. a subsidy of $20,000 for its road from this place to Peru, on which work will be started in July.

MINERAL POINT, IA.—It is reported that the construction of the proposed electric railway from this place to Highland, by way of Mifflin, will be started. The surveys have been made.

ATCHISON, KAN.—A project is being considered, according to reports, whereby the towns of Doniphan, Troy, Highland, Severance, Wathena, White Cloud and other Doniphan county towns will be connected with this city by an electric railway.

MENA, ARK.—A committee composed of J. H. Hamilton, N. M. Terry and J. D. Shaver has been appointed by the commercial club to promote the scheme of building a railway to this place from Hot Springs.

LEADVILLE, COLO.—Surveys are said to be under way for the proposed street car system, starting from the Rio Grande depot, passing through the principal streets of the city, and extending to Evergreen Lake, for which a franchise was granted to Thomas Carlin some months ago. Track laying will be started at once.

SEATTLE, WASH.—Fred E. Sander, Seattle, writes us that surveys are being made for the electric line of the Fred E. Sander Co., to extend from South Seattle through the White River Valley for a distance of about 36 miles. Construction capital has ben secured, and all but one-eighth of the right of way obtained. Contracts will be let as soon as the balance has been secured. G. W. Chapman, Ch. Engr., Seattle.

SPOKANE, WASH.—The council has granted permission to Winslow S. Pierce to construct and operate switches and side tracks on Sinto Ave., between Cedar and Cannon Sts., for a period of 25 years.

OGDEN, UTAH.—The Ogden Rapid Transit Co. has been incorporated with $100,000 capital stock. Thomas D. Dee, Pres.; Geo. N. Matson, Secy.; H. H. Spencer, Treas.

DYEA, ALASKA.—F. B. Flood, Engr., and U. S. Deputy Mineral Surveyor for Alaska, permanent address 1014 60th St., Oakland, Cal., writes us that he has suspended operations on the proposed electric railway to be built by the Chilkoot Tunnel Co., but will resume work as soon as the charters have been obtained from the Canadian government. A tunnel is to be constructed through the Chilkoot Pass 3,800 ft. long. Mr. Flood is interested in the mining field at Nome, Alaska, and will do a general mining and engineering business.

ELECTRIC LIGHT AND POWER.

GREAT WORKS, ME.—Bids are asked by the Penobscot Chemical Fibre Co., until June 12, for improving its water power, by excavating tail races, constructing head walls, gates, racks, flumes, etc., as stated in our advertising columns. C. H. Le Dane, Pres.

SOUTH NORWALK, CONN.—Reports state that the contract for the steam plant at the new electric plant has been let to the Watertown Steam Engine Co., Watertown, N. Y., and for the electrical apparatus to the Eddy Electric Co., 220 Broadway, New York, N. Y.

BROOKLYN, N. Y.—The following bids were received May 26 by M. T. Endicott, Ch. Bureau Yards and Docks, Washington, D. C., for a building for a power house at the navy yard, (1) being for building complete according to plans and specifications, (2) for excavation for foundations of walls, piles under foundation of walls, concrete in foundation of walls, granite water table, sills, etc., walls, windows, doors, roof, iron work, steel truss, ventilators, inside walls, floors, plastering, painting, water connections and plumbing, 4-in. sewer connections and skylights, (3) for excavation, piling, concrete and brick for bins, chimney and boiler foundations, chimney complete, flues, steel, etc., in bins, columns, etc., salt water connections, 12-in. sewer connections, electric conduits, etc., (4) substituting radial-molded perforated brick, made by the Alphons Custodis Chimney Construction Co., for brick for chimney, specified in paragraph 69: Hoffman Engineering & Contracting Co., Philadelphia, Pa., (1) $61,666, (2) $42,241, (3) $19,395, $700 deducted conditional; Stacy B. Opdyke, Jr., Philadelphia, Pa., (1) $77,567, (2) $59,613, (3) $26,954, (4) $76,702, conditional; Myron C. Rush, Brooklyn, N. Y., $82,327 complete; Snare & Triest, 39 Cortlandt St., New York, (1) $61,726, (2) $41,000, (3) $20,726, (4) $60,926; Anderson-Murphy Co., Hoboken, N. J., (1) $75,900, complete, (2) $48,500, (3) $27,400; Augustus Smith, 39 Cortlandt St., New York, (1) $69,229, (2) $38,852, (3) $30,377, (4) $66,578; O'Brien & Hoolihan, 1722 Park St., Syracuse, N. Y., (1) $59,000, (2) $39,042, (3) $19,958, (4) $58,300; Attilio Pasquini, New York, (1) $68,862, (2) $45,367, (3) $23,495; R. A. Griefenhagen, Chicago, (1) $60,970, (2) $38,500, (3) $22,470, (4) $60,970; Jno. J. Cashman, New York, (1) $66,719, (2) $42,415, (3) $24,304; L. L. Leach & Son, Marquette Bldg., Chicago, Ill., (1) $45,640, $50,620, $53,820, $49,900, $50,500, $46,650 all conditional, (2) $29,540, (3) $16,100; Jno. Thatcher & Son, Brooklyn, (1) $56,686, (2) $35,646, (3) $21,040.

ELLIS ISLAND, N. Y.—The following bids were received May 22 by J. K. Taylor, Supv. Arch., Treasury Department, Washington, D. C., for installing generators and engines in the U. S. Immigrant Station: Ridgway Dynamo & Engine Co., Ridgway, Pa., $19,390; Thresher Electric Co., Dayton, O., $28,838 for vertical engines, and $28,138 for horizontal engines; The United Engineering Co., 21 Park Row, New York, $23,734; Westinghouse, Church, Kerr & Co., 39 Cortlandt St., New York, $28,653.

FAIRPORT, N. Y.—A special election will be held May 31 to vote on the question of issuing $20,000 in bonds for erecting a municipal plant.

ILION, N. Y.—B. B. Van Duesen, S. G. Heacock, A. D. Morgan and L. N. Walker have been appointed a committee to secure data, etc., relative to the erection of a municipal plant.

ALLEGHENY, PA.—The sub-finance committee has recommended an appropriation of $100,000 for improving the electric plant by installing new boilers, etc. David Hunter, Supt. Bureau of Pub. Lighting.

BALTIMORE, MD.—Chas. E. Phelps, Ch. Engr. of the subway, is a member of the committee recently appointed to secure data, etc., in reference to erecting a municipal plant.

ROCK HILL, S. C.—Reports state that the Catawba Power Co will erect a plant near here and construct a dam across the Catawba River 400 × 20 × 21 ft. to develop about 3,000 HP.

HARTWELL, GA.—The Georgia-Carolina Mfg. Co. will, it is said, spend about $100,000 in developing the water power at Halton's Shoals, on the Tugelo River.

KEY WEST, FLA.—It is stated that the Key West Electric Co. will install considerable new machinery in its plant. J. P. Loffin, Pres., 20 Broad st, New York, N. Y.; C. L. Murphy, Supt.

ALEXANDER CITY, ALA.—W. P. Pinckard, of Birmingham, is said to have completed surveys of the Chisholm water falls and shoals, whose power he intends to develop.

EVERGREEN, ALA.—This town recently sold $25,000 in bonds for erecting a plant and water-works.

TALLADEGA, ALA.—The Talladega Light & Water Co. is said to have shut down its plant and forfeited its franchise. The council is considering the question of erecting a municipal plant.

SPARTA, TENN.—The question of erecting a city plant is being discussed, according to reports.

ADAIRVILLE, KY.—The council has engaged W. C. Potter, Memphis, Tenn., to prepare plans and specifications for a plant to cost about $7,000.

COLUMBUS, O.—The contract for furnishing one 75-K-W. dynamo, with switchboard, for the electric plant at the Ohio Institute for the Education of the Deaf and Dumb, has been let to the Thresher Electric Co., Dayton, O., at $1,750; and for one Ridgway engine, to the Ridgway Dynamo & Engine Co., Ridgway, Pa., at $1,445.

URBANA, O.—The council has granted a seven-year contract for lighting the city to the Urbana Electric Light & Power Co. F. E. Valantine, Mgr.

DULUTH, MINN.—Work on the canal for the Highland Canal & Power Co. will not start until next spring. Bids for the work are now being received, according to reports. C. C. Cokefair, Mgr.

INDIANAPOLIS, IND.—We are informed that the Power Bldg. Co. will be ready in about a month to let contracts for its proposed plant.

DETROIT, MICH.—We are informed that the contract for the masonry work on the new storage battery plant for the Edison Illuminating Co. has ben let to A. A. Albrecht, Union Trust Bldg., and for the steel work to the Russell Wheel & Foundry Co. The rest of the contracts are yet to be let. A. E. Raseman, Arch., 38 Buhl Bldg.

OLIVET, MICH.—The council is said to have employed Geo. C. Morgan, Chicago, Ill., to prepare estimates, etc., for erecting a plant.

BRILLION, WIS.—It is stated that the contract for lighting the city has been let to C. W. Behnke & Son.

FERGUS FALLS, MINN.—We are informed that the electric lighting committee is considering the increase of the water power at the plant by raising the dam and installing new water wheels and a new flume. Work may be put off until next spring. W. T. Hill, Chn. Com.; J. T. Fanning, Consulting Engr., Kasota Bldg., Minneapolis.

ST. CLOUD, MINN.—The St. Cloud Gas & Electric Co. is to enlarge its power house and will construct new head gate, penstock, water wheels and shafting. C. S. Benson, Mgr.; J. T. Fanning, Kasota Bldg., Minneapolis, Consulting Engr.

SHAKOPEE, MINN.—This town recently voted to issue $12,000 in bonds for erecting a municipal plant.

HALSTEAD, KAN.—R. M. Todd, Mayor, writes us that the question of erecting a plant is being discussed, but that no definite steps will probably be taken this season.

NELIGH, NEB.—The contract for lighting the city and for pumping the city's water is said to have been let to S. F. Gilman.

CHEYENNE, WYO.—Reports state that the Brush-Swan Electric Light Co. and the City Gas Co. will consolidate and erect a new plant, the present one being too small.

AUSTIN, TEX.—The council will, it is said, soon hold a special meeting to discuss the question of erecting a new plant.

DALLAS, TEX.—The lighting committee of the council has decided to advertise for bids for furnishing 300 to 350 arc lights for from three to five years.

MANCOS, COLO.—Bids will be received by the board of trustees for a franchise for erecting and operating a plant and water-works, as stated in our advertising columns. Geo. Bauer, Mayor.

SPOKANE, WASH.—R. K. Neill is said to have purchased the water power rights at Post Falls from W. S. Norman and others and will erect a plant to cost about $500,000.

CHAMBLY, QUE.—Reports state that the Chambly Water & Power Co will increase its plant so as to develop about 30,000 HP. at St. Therese Rapids.

PORT ARTHUR, ONT.—It is stated that the Anglo-American Power Co., recently incorporated by D. S. Wegg, 510 N. State St., and G. H. Pope, both of Chicago, with a capital of $5,000,000, intends to acquire the Jenison water power rights on the Kaministiquia River and erect a plant.

BRIDGES.

LINCOLN, ME.—The high waters on May 20 carried away a bridge near this place.

RUMFORD FALLS, ME.—Chas. A. Mixer, Res. Engr., writes us that the contract for the three-track concrete bridge across the Low Canal and the contract for Section 2 of the Low Canal has been let to Loring N. Farnum, 53 State St., Boston, Mass.

CONCORD, N. H.—The contract for building the Pembroke Road bridge has been let by W. B. Howe, Cy. Engr., 5 Warren St., to the Boston Bridge Works, Boston, Mass., at $928. Eleven bids were submitted.

WEST PETERBORO, N. H.—Plans have been completed by the bridge committee for the proposed two arch stone bridges at this place. John W. Robbe, C. W. Hunter and Samuel Anderson compose the committee.

GUILFORD, VT.—The stone culvert on the Guilford Centre Road, which was recently washed away, will probably be replaced by an iron bridge.

HOLYOKE, MASS.—Bids are wanted by the board of public works until June 15 for the construction of a metal bridge and a masonry bridge on Cabot St., over the Second Level Canal, as stated in our advertising columns. James L. Tighe, Engr.

NEEDHAM, MASS.—The selectmen of Needham and Dover have decided to rebuild the Pierce bridge over the Charles River at Charles River St., which is the joint property of both towns.

AUBURN, N. Y.—Bids are asked until June 4 for constructing a stone and steel bridge over the Owasco River at Lizette St. E. H. Herrling, Cy. Clk.; D. F. Austin, Cy. Surv.——D. F. Austin, Cy. Engr., informs us that the following bids were received on May 21 for the construction of the above bridge, but were rejected: King Bridge Co., Cleveland, O., $21,780; Groton Bridge & Mfg. Co., Groton, N. Y., $18,875; Owego Bridge Co., Owego, N. Y., .05 cts. per lb.; The Massillon Bridge Co., Massillon, O., $22,875; Rochester Bridge & Iron Works, Rochester, N. Y., $17,896; Wrought Iron Bridge Co., Canton, O., $23,600.

BUFFALO, N. Y.—Local papers state that extensive improvements are to be made to the International bridge this summer. The structure will be widened so as to build a carriageway and sidewalks, and to run an electric railway. Chas. M. Hayes, Pres., Montreal, Que.

GENESEO, N. Y.—Bids are asked until June 15 for constructing a stone abuttment for the west side of the highway bridge over the Genesee River between Genesee and Leicester. Lockwood R. Doty, Supvr., Geneseo.

NEW YORK, N. Y.—A. P. Boller, Des. Engr., 27 Pine St., informs us that bids will be called for this week for the construction of the viaduct at Riverside Drive and 96th St.

WAVERLY, N. Y.—The board of railroad commissioners has decided to have its engineer draw up a modified plan of the proposed Spaulding St. bridge, which is to span the Erie and Lehigh tracks. The plans submitted by the village, at the session on May 21, call for a structure costing $6,300, those of the Lehigh $12,000 and the Erie $10,000. It is thought that the structure as designed by the village will be too light. O. O. Esser, Supt., represented the village; Geo. M. Diver, Elmira, the Lehigh Valley R. R., and W. L. Derr, Supt., the Erie R. R.

COKESBURY, N. J.—It is stated that Freeholder Farley proposes to build a new iron bridge at this place.

FLEMINGTON, N. J.—The board of freeholders have decided to build a new low truss iron bridge at Stone Mill with an 80-ft. span and a 14-ft. roadway.

HIGHBRIDGE, N. J.—An 83-ft. span bridge will probably be built by the board of freeholders at this place.

JERSEY CITY, N. J.—The following bids were received by John P. Egan, Clk. Bd. Chosen Freeholders, on May 21, for constructing a steel bridge over the Pennsylvania R. R. tracks, in this city; Variety Iron Works Co., Cleveland, O., $40,000; Palisade Construction Co., Jersey City, N. J., $38,900; M. T. Connolly, Jersey City, N. J., $38,000; Jno. E. Buddington, New Haven, Conn., $38,000; King Bridge Co., Cleveland, O., $37,000; Fagan Iron Works, Hoboken, N. J., $36,000; F. R. Long Co., New York, N. Y., $35,000; Wrought Iron Bridge Co., Canton, O., $24,900; Joseph H. Cutley, Jersey City, N. J., $23,423.

ALLEGHENY, PA.—The sub-committee of the finance committee of Allegheny Councils, at a recent meeting, recommended a bond issue of $964,000 for public improvements, of which $69,000 is to be used for the Shady Ave. steel bridge.

CARNEGIE, PA.—The West End Traction Co. has applied for a charter for the Carnegie Bridge Co. to build a bridge over the Chartiers Creek, from this city to Heidelberg.

CUMBERLAND, MD.—The contract for building the bridge over the West Virginia Central R. R. at Market St. was let on May 19 to the Pittsburg Bridge Co., Pittsburg, Pa., at $3,900. There were nine other bids submitted.

SCOTTSVILLE, VA.—It is reported that a new bridge will soon be built to replace the present structure at Scotts Creek.

COLLIERVILLE, TENN.—The following bids were received by W. W. Barksdale, Supt. Bridges, Ramsey, Tenn., on May 17, for constructing an iron bridge across Wolf River, to have one steel span 150 ft. long, 16 ft. roadway, on cylinder piers, 42 ins. in diameter, and 30 ft. high, with 200 ft. of steel approaches: W. F. Allen, Memphis, Tenn., $4,600; Converse Bridge Co., Chattanooga, Tenn., $3,900; Indiana Bridge Co., Vincennes, Ind., $3,951; George E. King, Des Moines, Ia., $3,815; Craft Bridge Co., $4,573; Youngstown Bridge Co., Youngstown, O., $3,914; Brackett Bridge Co., Cincinnati, O., $3,983; Alsberry & Son, Houston, Tex., $3,515 (accepted); Stupp Bridge Co., St. Louis, Mo., $4,200; Central Bridge Co., $4,444; Champion Bridge Co., Wilmington, O., $4,200; Pittsburg Bridge Co., Pittsburg, Pa., $3,725; Kansas City Bridge Co., Kansas City, Mo., $4,223; Gillett-Herzog Mfg. Co., Minneapolis, Minn., $3,768.

CINCINNATI, O.—Bids are asked until June 9 for constructing the wrought-iron superstructure of a bridge over Miami Canal, on the Masstetler Road, in Sycamore, according to reports. Eugene L. Lewis, County Audr.

CLEVELAND, O.—Local papers state that bids are wanted until June 2 for the superstructure of the Willet St. viaduct, on which the work of laying the foundation was commenced a year ago The superstructure will cost about $35,000. The bridge will be 495 ft. long, and will weigh 500 tons. There will be one span 154 ft. long, spanning seven tracks, and six plate girder spans.

COSTONIA, O.—A new steel bridge with stone abutments will be erected over Island Creek, near this place, according to reports.

PETERBOROUGH, O.—Bids are asked until June 18 for constructing a floating bridge and approaches over Chemong Lake, Peterborough county. Plans on file at the office of J. E. Belcher, Amity, Peterborough, Engr.; Geo. Stewart, County Clk.

WESTVILLE, O.—The commissioners of Columbiana and Mahoning counties have decided to build a new bridge on the county line near this place, the expense to be shared jointly by the counties.

XENIA, O.—Bids are wanted by the county commissioners until June 7 for constructing a steel span highway bridge 128 ft. long, according to reports.

ZANESVILLE, O.—The Rudolph Kleybolte Co., Cincinnati, have purchased the $200,000 in bonds for the Y bridge, for which contracts will be let June 14. The price paid was $216,526.

PAOLI, IND.—Bids are asked until June 6 for building a bridge at Higgins Ford, according to reports. Geo. W. Tegarden, County Audr.

ADA, MICH.—Bids are asked, according to reports, until June 8 for an iron bridge, with stone piers, across the Grand River, to be 462 ft. long. Wm. N. Perkins, Township Clk.

ALBION, IND.—Bids are asked until June 5 for building a steel bridge over the south fork of the Elkhart River, according to reports. Thos. A. Huston, County Audr.

ALMA, MICH.—At a recent meeting of the township board it was voted to expend $1,000 towards repairing the bridge across the river at the foot of State St.

NEWAYGO, MICH.—Bids are asked until June 1st for the construction of the substructure for a steel bridge across the Muskegon River, near Newaygo, according to reports. J. A. McKinley, Clerk.

OMER, MICH.—The county commissioners will erect a new iron bridge across the Rifle River, according to reports.

BEAUMONT, ILL.—Bids are asked until June 6 for constructing seven small highway bridges, six on legs and one on stone masonry. E. E. Spear, Town Clk.; Ira O. Baker, Engr., Champaign.

CHICAGO, ILL.—The members of the drainage board have decided on the location of the six bridges which are to be built, and ratified the contract with F. A. Montgomery & Co., naming $108,000 as the price of construction. The bridges will be located at Randolph, Throop, State, 18th, H. Harrison and Polk Sts.——Plans have been ordered by the Sanitary District trustees for a bascule bridge at State St., 120 ft. wide. The city will be asked for aid in the construction of the viaduct leading north from the new bridge to Kinzie St.

MANKATO, MINN.—Bids are asked until May 31 for constructing two stone piers for a bridge over Rice Creek. Chas. Graf, Chn. Bd. County Comrs.

LACROSSE, WIS.—Local papers state that the Horton Bridge & Steel Co. has been awarded a contract for building a 36-ft., a 30-ft., and a 24-ft. bridge, one in Midway and the other two in Onalaska, at $1,005.

CHEYENNE, WYO.—Bids are asked until June 11 for constructing a steel bridge, with two spans 125 ft. in length, 14 ft. wide, near Thermopolis. Plans to be furnished by the bidders. F. B. Sheldon, Cheyenne.

GLENDIVE, MONT.—Bids are asked until June 8 for constructing two concrete river piers and four small concrete shore piers, and for repairing and raising the west side approach of the trestle for a bridge over the Yellowstone River. Chas B. Lovett, Mgr., First National Bank Bldg., St. Paul, Minn.; C. L. Brown, Chn. Bd.

VANCOUVER, WASH.—Bids are asked until May 31 for the construction of a draw in La Center Bridge at La Center. A. J. Cook, County Audr.

WOOLLEY, WASH.—Bids are asked until June 8 for constructing two county bridges (wooden?), according to reports. Grant Neal, County Audr.

EUGENE, ORE.—Bids are asked until June 6 for constructing a wagon road bridge across the McKenzie River at Hendrick's Ferry. E. V. Lee, Clk. County Court.

SALEM, ORE.—Bids are asked until June 7 for the construction of a Howe truss bridge over the South Santiam River near Sweet Home. Plans to be submitted by bidder. Geo. D. Barton, County Judge, Albany.

QUINCY, CAL.—Bids are wanted by the county clerk until July 2 for constructing a bridge over Jamison Creek, between Johnsville and Little Jamison Mine, in Quarts township. Also for a bridge across Red Clover Creek, in Indian township, according to reports.

ALBUQUERQUE, N. MEX.—An election will be held on June 12 to vote on the question of issuing $75,000 in bonds for the construction of the proposed viaduct across First St.

BUILDINGS.

HINSDALE, N. H.—Reports state the plans have been prepared for a new town hall.

WINDSOR, VT.—J. E. Toohey, Supt. Bridges and Bldgs., Central Vermont Ry. Co., St. Albans, writes us that plans have been completed for a new brick depot here.

MALDEN, MASS.—T. Griffin, 114 State St., Boston, is said to have prepared plans for a new building for the Home for Aged Persons, to cost about $40,000.

ALBANY, N. Y.—A. W. Fuller, 97 State St., is said to have prepared plans for a 4-story brick factory building, to cost about $100,000. Chas. W. Edwards, Chn. Mfg. Com. of the Chamber of Commerce, is said to be interested.

BROOKLYN, N. Y.—We are informed that the Leopold Kahn Co., 93 St. Nicholas Ave., New York, is now receiving estimates for eight 4-story flats to be erected at 48th to 49th Sts. and 5th Ave. M. W. Morris, 45 Exchange Place, New York, Arch.

BUFFALO, N. Y.—The contract for erecting the Manufacturers building at the Pan-American Exposition, is said to have been let to E. M. Hager & Sons, 141 Elm St., at $194,421; this is exclusive of staff work.

NEW YORK, N. Y.—Ross & McNeill, 39 E. 42d St., write us that S. C. Judson, 39 E. 42d St., will receive bids for erecting a 7-story brick apartment house, 100 × 51 ft., with steam heat and gas and electric lights, to cost about $160,000.—A. M. Ohayon writes us that all contracts have been let for erecting his three 4-story apartment houses at Wales and Westchester Aves. M. Bernstein, Arch., 245 Broadway.——We are informed that no contracts have yet been let for erecting the proposed 4-story brick office building, 65 × 117 ft. at 65th St. and Broadway, for J. L. Miller, to cost about $50,000. J. Munckwitz, Arch., 247 W. 125th St.——The Andrew J. Robinson Co. writes us that they will be ready about June 15 to receive estimates for the erection of a 10-story fireproof office building, 60 × 100 ft., at 5 and 7 East 42d St., for Joseph Milbank. C. A. Rich, Arch., 31 Nassau St.——B. M. Lewis, Secy., writes us that no definite action will be taken until summer toward erecting the proposed 87th St. branch building for the Y. M. C. A. J. E. Ware & Son, 3 W. 29th St., have prepared plans.

NEW YORK, N. Y.—Plans have been filed by the City of New York for a 3-story brick police station, 90 × 95 ft. at Bathgate Ave., near 177th St., to cost about $90,000. Horgan & Slattery, Archs., 1 Madison Ave.; by Morice Polk, 103 West 114th St., for a 7-story brick apartment house, 93 × 66 ft., at 151st St. and St. Nicholas Ave., to cost about $225,000. Janes & Leo, Archs., 2585 Broadway; by C. E. Smith, 149 East 22d St., for an 8-story brick store and loft building, 29 × 71 ft., at 133 Mercer St., to cost about $60,000. H. A. Jacobs, Arch.; by the Church of St. John Chrysostom, 117 Hoe Ave., for a 1-story brick church building, 70 × 130 ft., to cost about $80,000. M. J. Garvin, Arch., 3307 Third Ave.; by Stewart & Smith, for two 5-story brick and stone dwellings, 31 × 61 ft., at 106th St. and Riverside Drive, to cost about $95,000. R. D. Kohn, Arch., 96 Fifth Ave.; by A. & J. Plaut, 72 E. 92d St., for an 8-story brick store, 24 × 112 ft. and 25 × 102 ft., at 120 William St. and 79 John St., to cost about $150,000. R. Maynicke, Arch., 720 Broadway.

NEW YORK, N. Y.—Bids are asked by the commissioners of the sinking fund until June 5 for erecting a hospital building on Gouverneur Slip, between Front and Water Sts.

NORTH TONAWANDA, N. Y.—Bids are asked until June 7 for erecting a new high school building. L. L. Crippen, Clk. School Bd.

FORT HANCOCK, N. J.—Bids are asked until June 17 for constructing certain improvements to the hospital building, Harrison Hall, Q. M.

NEWARK, N. J.—The city hall commissioners have engaged A. C. Neumann, 800 Broad St., to supervise the proposed plan competition for the new city hall building.

PLAINFIELD, N. J.—Plans are said to have been prepared for a new passenger station at North Ave., for the Central Railroad of New Jersey, to cost about $100,000. G. H., Warren, Chn. Executive Bd., 142 Liberty St., New York, N. Y.

ALLEGHENY, PA.—Bids are asked until June 4 for erecting an annex to the high school building. G. W. Gerwig, Secy. High School Com.

MT. PLEASANT, PA.—Bids are asked until June 16 for erecting two new school houses. J. H. Frey, Pres. School Bd.; L. B. Shupe, Secy.

PHILADELPHIA, PA.—H. G. Adams, Law Bldg., Atlantic City, N. J., is said to have prepared plans for a hotel on Pennsylvania Ave., for Thos. Williams and H. L. Fairbairn, to cost about $100,000.——W. G. Hare, 1326 Chestnut St., is reported to have prepared plans for a 12-story brick apartment house, at 22d and Chestnut Sts.

PHILADELPHIA, PA.—We are informed that the J. B. Stetson Co., Fourth St. and Montgomery Ave., has let the contract for steel work and boilers for its new building and will do its own bricklaying, etc. J. H. Cummings, Treas.

PITTSBURG, PA.—Chas. Bickel, Methodist Publication Bldg., has prepared plans for a 5-story brick warehouse, 40 × 90 ft., for Hartje Bros., to cost about $50,000.

WILMINGTON, DEL.—Bids are asked until May 31 for erecting a boathouse. Wm. F. Smith, U. S. Engr.

BALTIMORE, MD.—N. S. Hill, Managing Director, writes us that J. E. Sperry, 601 Herald Bldg., is preparing plans for alterations to "The Carrollton." John Walters, 642 Clinton Ave., is the general contractor. Henry Adams has charge of the electric plant and wiring, and Bartlett, Hayward & Co., 205 E. German St., will remodel the steam heating apparatus.

WASHINGTON, D. C.—B. R. Green, Supt. of the Carnegie Library, is said to have received the following bids May 19 for erecting the new library building construction: Charles McCaul, 10 N. 11th St., Philadelphia, Pa., $395,249, $397,249, $411,749, $354,949; Norcross Bros., Worcester, Mass., $427,715, using granite from Southern Marble

Co., quarry, for alternative bids add $3,000, $756, $4,912, $3,706, $5,518, $3,675, $5,793; for steel construction, Brown-Ketcham Iron Works, Broadway and 26th St., New York, N. Y., $40,545, $39,795; Grey-Smith Engineering Co., New York, $34,500; ornamental metal work, Brown-Ketcham Iron Works, Broadway and 26th St., New York, N. Y., $24,500; plumbing, Jas. Nolan & Sons, 721 14th St., N. W., $3,797; E. J. Harman, 517 11th St., N. W., $3,500; R. B. Caverly, 504 10th St., N. W., $3,415; heating and ventilating, Philadelphia Steam Heating Co., 1513 Filbert St., Philadelphia, Pa., $29,970 for power boilers, $1,630 extra for Babcock & Wilcox; Gillis & Geohegan, 537 West Broadway, New York, N. Y., $21,000, add $3,000 for power boilers; Blake & Williams, 362 West Broadway, New York, $16,565, for Babcock & Wilcox or Heine power boilers add $1,720; D. R. Burns, 739 N. 19th St., Philadelphia, Pa., $23,946, add $4,000 for Babcock & Wilcox power boilers; Crook, Hourer & Co., 301 N. Howard St., Baltimore, Md., $20,220, for Heine power boilers add $2,584; electrical work, Zindais & Hunt, 127 Fifth Ave., New York, N. Y., $8,200, add $6,473 for local generators; Tallmadge & Wilson, $6,539, add $5,349 for local generators; National Electrical Supply Co., $6,334; J. F. Buchanan & Co., 40 N. 4th St., Philadelphia, Pa., $5,760, add $5,222 for local generators; Western Electric Co., Chicago, Ill., $6,146, add $5,700 for local generators.

WASHINGTON, D. C.—We are informed that C. S. Denham, 820 19th St., has been awarded the contract for erecting a 4-story brick steam heated apartment house, 50 × 102 ft., for Miss Mary Breneman, to cost about $45,000. C. L. Harding, Arch., Washington Loan & Trust Bldg.

FORT MYER, VA.—Bids are asked until June 7 for erecting a post-office building at this post. E. L. Phillips, Q. M.

FORT CASWELL, N. C.—Bids are asked until June 30 for erecting one barrack, one messroom and kitchen, two single sets of N. C. S. quarters at this post. P. P. Bishop, Q. M.

DOUGLAS, GA.—Bids are asked until June 4 for erecting a new jail building. J. W. Roberts, Chn. Bd., County Comrs.; G. R. Briggs, Clk.

AGRICULTURAL COLLEGE, MISS.—R. C. King, Secy. of the Mississippi Agricultural and Mechanical College, writes us that plans will be received until June 19 for a college building to cost about $30,000.

CLARKSVILLE, TENN.—Bids are asked until June 9 for erecting a new court house building to replace the one recently destroyed by fire. C. W. Tyler, County Judge.

LEXINGTON, KY.—Copeland & Dale, 51 Exchange Place New York, N. Y., write us that plans have not yet been completed for the proposed 4-story brick residence 86 × 64 ft., for J. B. Haggin, 587 Fifth Ave., New York, N. Y., to cost about $100,000. No contracts have yet been let.

AKRON, O.—Bids are asked until June 15 for erecting a new brick school house. F. W. Shirer, Clk. Bd. of Education.

MARIETTA, O.—Bids are asked until June 18 for erecting a new school house. C. F. Hayward, Township Clk.

MANSFIELD, O.—Bids are asked until June 20 for constructing an addition to the Ohio State Reformatory. Chas. H. Workman, Secy.

SANDUSKY, O.—Bids are asked until June 18 for erecting two buildings at the Ohio Soldiers' and Sailors' Home. D. Dugan, Q. M.

WEST TOLEDO, O.—Bids are asked until June 18 for erecting a new brick schoolhouse for Washington Township. Oscar Redding, Clk. Bd. of Education.

DETROIT, MICH.—A. C. Varney & Co., 380 Campbell Ave., are said to have prepared plans for an 8-story brick apartment house 60 × 100 ft., at Madison Ave. and Wilcox St., to cost about $100,000.

HOUGHTON, MICH.—Bids are asked by the city clerk until June 6 for erecting an addition to the fire engine house.

STOUGHTON, MICH.—The contract for erecting the new city hall building, to cost about $35,000, is said to have been let to Bonnett, Michie & Co., Jefferson and Erie Sts., Milwaukee, Wis.

CHICAGO, ILL.—We are informed that the contract for building the foundation to grade for the proposed addition to the Art Institute has been let to Jacob Rodatz, 520 The Rookery. N. H. Carpenter, Secy.——The Geo. A. Fuller Co., 1027 Marquette Bldg., is said to have received the general contract for erecting a 12-story brick and stone office building, 88 × 210 ft., at 157 to 163 La Salle St., for the National Life Insurance Co., to cost about $600,000.

MILWAUKEE, WIS.—H. C. Koch & Co., 902 Pabst Bldg., are said to have prepared plans for a 14-story brick office building at Wisconsin and Milwaukee Sts. for Daniel Wells, to cost about $600,000.

CEDAR FALLS, IA.—S. B. Humbert writes us that the plans of F. D. Orff, 615 Lumber Exchange Bldg., Minneapolis, Minn., for the new 3-story brick schoolhouse, 108 × 80 ft., to cost about $30,000. Bids for construction will be received in about four weeks.

FOREST CITY, IA.—Bids are asked until June 5 for erecting a new hotel building. O. A. Olson, Pres. Forest City Hotel Co.

OTTUMWA, IA.—Reports state that the council is considering the question of erecting a new city hall building.

MINNEAPOLIS, MINN.—Plans have been filed by C. B. Heffelfinger for a 6-story brick warehouse at Fifth St. and First Ave., N.; by Mrs. T. V. Harrison, for a 4-sty brick flat, at 1773 Hennepin Ave., to cost about $35,000; by S. E. Olsen & Co., for a brick annex to store 421 Nicollet Ave., to cost about $50,000.

MINNEAPOLIS, MINN.—C. F. Haglin, 228 Lumber Exchange, is said to have received the contract for erecting the Harrison flat building at Hennepin and Lyndale Aves., to cost about $35,000. Harry W. Jones, Arch., 916 Lumber Exchange.

HASTINGS, NEB.—The following bids have been received by O. C. Weesner, Deputy, Lincoln, for erecting a wing at the insane asylum: For building, complete, exclusive of plumbing, Robt. Rutke, Omaha, $33,600; W. M. Rowles, Lincoln, $34,994; C. F. Barras, Lincoln, $34,900. For plumbing, J. J. Harrigan, Omaha, $4,800; H. H. Gaffey, Lincoln, $4,468; F. W. Barclay, Beatrice, $4,120; Korsmeyer Plumbing & Heating Co., Lincoln, $4,095; L. W. Pomerene & Co., Lincoln, $4,133. All bids were rejected, being too high, the appropriation for the entire work being only $30,000.

PALMYRA, MO.—Bids are asked until June 18 for the purchase of $100,000 in bonds for erecting a new court house. F. H. Brunk, County Treas.

ST. LOUIS, MO.—Bids are asked until June 12 for installing an electric wiring system in the U. S. Custom House. O. L. Spaulding, Asst. Secy., Masonry Department, Washington, D. C.

LITTLE ROCK, ARK.—The building occupied by Quinn Bros., and several other buildings on Main St., were recently destroyed by fire; loss, about $135,000.

CORSICANA, TEX.—Bids are asked until June 2 for erecting a 3-story masonic hall, 36 × 90 ft. Chas. H. Allyn, Chn. Bldg. Com.

FORT CROCKETT, TEX.—Bids are asked by the Chief Quartermaster, San Antonio, until June 8 for erecting several buildings at Fort Crockett, Galveston. John Simpson, D. Q. M., U. S. A.

YAKIMA, WASH.—Bids are asked until June 14 for erecting an addition to the girls' dormitory at the Indian Agency. W. A. Jones, Comr. Indian Affairs, Washington.

DENVER, COLO.—The trustees of the Majestic Hotel, will, it is said, spend about $200,000 in altering and extending their present building.

FRESNO, CAL.—Bids are asked until June 16 for erecting a brick school house for the Easterby School District. McDougall Bros., Archs., Voorman Block.

RIVERSIDE, CAL.—Bids are asked until June 12 for erecting an administration building at the county hospital. W. W. Phelps, County Clk.

PIMA, ARIZ.—Bids are asked until June 16 for erecting several buildings at the Indian Agency. W. A. Jones, Comr. Indian Affairs, Washington, D. C.

SALT LAKE CITY, UTAH.—Bids are asked until June 6 for furnishing about 100 barrels of Portland cement, 75,000 common brick, lumber, etc., at the Utah State Prison. Geo. N. Dow, Warden.

HULL, QUE.—C. Charest, of Quebec, is said to be preparing plans for rebuilding the courthouse and jail which were recently burned; cost, about $70,000.

STURGEON FALLS, ONT.—Bids are asked until June 15 for erecting a new school house. James Holditch, Secy. School Bd.

WATER-WORKS.

HEBRON, ME.—It is reported that the Hebron Water Co. will soon begin the construction of the proposed works. A person interested in the Hebron Academy has given $5,000 to aid in the construction.

LITTLETON, N. H.—The Littleton Light & Water Co. is reported as having plans prepared for increasing its water supply and also for insuring its greater purity. An old pump costing $1,200 has been rebuilt. E. L. Street, Consult. Engr., 44 Wall St., New York.

HYDE PARK, MASS.—The senate committee has reported in favor of allowing the Hyde Park Water Co. to increase its water supply.

SALEM, MASS.—It is proposed to appropriate $1,000 for a survey of Lengham Basin, with a view to improving the quality of the water.

NEW HAVEN, CONN.—Bids are asked until 2 p. m., May 31, for constructing a rubble masonry dam, gate house, foundations, etc., for the works of the New Haven Water Co. The dam will be about 170 ft. long, about 37 ft., maximum, high, and total amount of masonry 2,200 cu. yds. When this improvement is completed the water from this reservoir will be carried to West Haven by pipes in Forest St. Among other work that the company is soon to do will be the laying of a 24-in. iron main through the entire length of Grand Ave. in place of the present main, which will be removed. This improvement will be made before the new pavement is laid. A. B. Hill, Engr., 82 Church St., New Haven.

NEW LONDON, CONN.—The following bids were received May 26 by Mordecai T. Endicott, Ch. Bureau Yards and Docks, Navy Dept., Washington, for furnishing and installing a 20-HP. gasoline engine and double-acting pump of 450 gallons a minute, etc., at the naval station. New London: White & Middleton Gas Engine Co., Baltimore, Md., $2,895; $3,115 alternative; deduct $200 conditionally; Jno. B. Newhall, Stapleton, N. Y., $2,250; Manhattan Supply Co., New York, $2,959; add $50 conditional; Fairbanks, Morse & Co., Chicago, $1,970; National Meter Co., New York, $2,426; $2,251 conditional; $2,589; $2,314; $3,254; August Mietz, New York, $3,054; Westinghouse, Church, Kerr & Co., New York, $3,650; The Otto Gas Engine Works, Philadelphia, $2,472 Deming pump; $2,981 Otto engine S. B. S. pump; The Springfield Gas Engine Co., Springfield, O., $2,319.

AUBURN, N. Y.—The city proposes to lay about 18,000 ft. of new water mains. D. F. Austin, Cy. Surv.

BATAVIA, N. Y.—The aldermen have ordered about 4,000 ft. of new main and six new hydrants.——A report states that the state board of health has ordered the city to take immediate steps toward improving the water supply and the sewerage system.

BUFFALO, N. Y.—The water committee has reported in favor of extending the water mains to Kenmore, that suburb agreeing to pay the expense of furnishing and laying the mains, etc., and also a rate of 10 cts. per 1,000 gallons. F. J. Illig, Water Comr.

CANANDAIGUA, N. Y.—The contract for furnishing two engines and two boilers for the works has been let to the Atlas Engine Works, Indianapolis, Ind., and that for erecting the pump house to Hugh Smith. About $15,000 will be spent for improving the works.

COHOCTON, N. Y.—The Bacon Air Lift Co., 100 Broadway, New York, is reported to have been awarded the contract for an air lift plant to increase the water supply from wells. The entire work, including wells, pump house, etc., will cost about $5,000.

CORNING, N. Y.—The question of issuing $2,500 for a larger water main in First St. will be voted upon at the coming election.

FULTON, N. Y.—The bid of the Fulton Water-Works Co. for the purchase of $200,000 worth of bonds at 3.40% for new works or for the purchase of the old has been accepted. W. P. Hillick, Cy. Clk.

KINGS PARK (L. I.), N. Y.—O. M. Dewing, Supt. Long Island State Hospital, has been directed to secure estimates, etc., for a stand-pipe or for repairing the reservoir. Bids for furnishing about 23,000 tons of coal are wanted.

SPRINGWATER, N. Y.—Efforts are reported as being made to have works built here, at a cost of $4,000 to $8,000.

TOMPKINSVILLE (S. I.), N. Y.—The Crystal Water Co. has been granted permission to lay mains and set hydrants in a number of streets.

TROY, N. Y.—City Engineer Cary is making surveys for the proposed new works, to cost about $1,000,000.

WAYLAND, N. Y.—This place has voted against the proposition for putting in works.

VINELAND, N. J.—Bids are asked until June 4 for the purchase of $95,000 of 4% 30-year bonds for the new works, and of $45,000 of bonds for the new sewers. Geo. Cunningham, Chn. Finance Com.

BRADDOCK, PA.—An election will be held July 17 to vote on the question of issuing $78,000 in bonds for new works and to complete the new town hall.——The Pennsylvania Water Co. has let the contract for excavating 80,000 cu. yds. for the new 13,000,000-gallon reservoir on the Elliott farm, near here, to E. S. Hackett & Co., of Pittsburg and North Braddock. The water company expects to get a 20-year contract from North Braddock to furnish its water, together with other boroughs in that section. The reservoir is to be finished by fall.

CALIFORNIA, PA.—The council is reported as having granted a franchise for works.

CANONSBURG, PA.—The council has passed an ordinance authorizing the commencement of construction on the proposed works by the water company inside of 50 days; estimated cost, $50,000. Address Mr. Johnson, of the company.

PITTSBURG, PA.—The new filtration committee has recommended to councils that bids be asked at once for furnishing the materials and for constructing a filtration plant, as noted last week. E. M. Bigelow, Dir. Pub. Wks., is urging the employment of an engineer to prepare plans and specifications for the work, the preparation of which would require about three months. Estimated cost, $2,500,000. The finance committee has recommended an appropriation of $34,000 for new mains.

RANKIN, PA.—Reports state that Patton & Gibson, of Braddock, who secured the contract some time ago from the Carnegie Steel Co. for erecting works and pumping station at the new furnaces here, have been forced to abandon the work on account of quicksand.

READING, PA.—Reports state that the Wyomissing Water Co. is arranging for the construction of a large concrete reservoir.

WILKES-BARRE, PA.—Reports state that the Spring Brook Water Co. proposes to spend about $3,000,000 in addition to the $1,400,000 already used for improvements to the works. L. A. Watres, Pres.

CLAYTON, DEL.—Reports state that the question of building works is being considered.

WILMINGTON, DEL.—The following bids were received May 22 for a 3,000,000-gallon pumping engine at the Cool Spring reservoir, as advertised in Engineering News: Remington Machine Co., Wilmington, $15,600; Snow Steam Pump Works, Buffalo, N. Y., $16,158; Barr Pumping Engine Co., Philadelphia, $17,500; Holly Mfg. Co., Lockport, N. Y., $18,300.

FROSTBURG, MD.—It is stated that an election will be held June 2 to vote on the question of issuing $10,000 in bonds for a new reservoir or for rebuilding the old one. J. S. Metzger, Cy. Clk.

HYATTSVILLE, MD.—The water-works committee desires applications at once for the appointment of an engineer to prepare plans and specifications for the proposed works. The water supply will be secured from a bored well. The citizens have voted for the works, and construction will be begun as quickly as the plans can be prepared. Population, 1,500. Address Dr. Jos. R. Owens, L. H. Campbell or L. O. Wissman.

MIDLAND, MD.—It is stated that a company proposes to build works after the town has been incorporated.

ABINGDON, VA.—The works and light plant of the Abingdon Water-Works Co. will be sold at auction June 21. C. A. Sanders, Trustee, Culpeper, Va.

FORT MYER, VA.—Bids are asked until 10 a. m., June 1, for repairing the submarine water conduit in the Potomac River. E. L. Phillips, Q. M. Fort Myer.

LOGAN, W. VA.—The Logan Water-Works Co. has been incorporated, with a capital stock of $10,000, by J. S. Miller, W. I. Campbell and D. Bennett, of Logan.

MORGANTOWN, W. VA.—The Union Gas & Water Co. has been incorporated, with a capital stock of $500,000, by J. W. Rowland, T. B. Gregory and J. J. Gosser.

NEWBERN, N. C.—This place is reported to have voted in favor of purchasing the works and sewerage system of the Water & Sewer Co. for $75,000, and of spending $5,000 for making improvements thereto.

PRATT CITY, ALA.—Arrangements for the construction of the proposed works are being made, according to reports. A test well is being driven. E. J. Hudnall, Mayor.

NATCHEZ, MISS.—The Natchez Water & Sewer Co. has been petitioned to extend the water mains to Arlington Heights.

CARLISLE, KY.—The council will soon take steps looking to the construction of works. No estimates have yet been made. Population, 1,500. W. J. Kennedy, Mayor; G. R. Martin, County Surv.

BELLEVUE, O.—Bids are asked until June 20 for the purchase of $30,000 of 4% water bonds and until June 27 for furnishing the materials and for constructing a storage reservoir. The work will consist of about 110,000 cu. yds. of excavation placed on embankment. L. E. Chapin, Engr., Canton, O.; W. H. Erdrich, Clk. Bd.

CINCINNATI, O.—Bids are asked until June 26 for constructing a tunnel and shaft for supplying water to the western pumping station, as stated in our advertising columns. The conduit will be 4½ miles long 7 ft. in diameter, and will cost about $350,000. Chas. G. Roth, Clk.; Aug. Herrmann, Pres. Bd. Trustees, Comrs. Water-Works.

COLLINWOOD, O.—Bids are asked until June 18 for furnishing and laying 340 tons of 12-in., 65 tons of 8-in., 5 tons of 6-in. and 10 tons of 4-in. pipe; 15 tons of special castings; 6 tons of miscellaneous castings; 30 4-in., 5 8-in. and 10 12-in. cast iron water gates, and 30 4-in. double hose fire hydrants. Chas. L. Stocker, Solicitor, 615 Society for Savings Bldg., Cleveland; L. A. Wilson, Village Clk.

LANCASTER, O.—Bids are asked until noon, June 1, for furnishing and laying cast-iron water pipe, setting valves and hydrants, etc. L. J. Snyder, Secy. and Supt.

MIAMISBURG, O.—The council is considering an ordinance for constructing works, according to reports.

SPRINGFIELD, O.—Barney Higgins, Supt., has submitted estimates for new water mains, to cost about $16,000.

BELDING, MICH.—An election will soon be held to vote on the question of issuing bonds for works and a city park.

MANISTEE, MICH.—Reports state that the council has decided to purchase 51 new fire hydrants.

PONTIAC, MICH.—The board of works proposes to install an air lift system of 5,000,000 gallons capacity at the works, to cost about $12,000, and to extend the mains, at a cost of $35,000. A new reservoir, with a capacity of 1,000,000, may also be built.

RIVER ROUGE, MICH.—An election will be held June 6, not May 28, as noted last week, to vote on the question of issuing $36,000 in bonds for laying mains in this town. The water supply will be secured from the Detroit works.

SAGINAW, MICH.—The council proposes to extend the water mains in several streets.

TRAVERSE CITY, MICH.—The council, it is stated, proposes to spend $20,000 at once in extending the Campbell works, recently acquired.

FLORA, ILL.—Efforts are being made to build the proposed works. Address Mayor Galbraith.

PEORIA, ILL.—The council is considering the matter of works for West Peoria, which was recently annexed to this city.

KILBOURN, WIS.—Bids are asked until June 9 for constructing a 60-ft. tower for the water-works. W. G. Kirchoffer, Engr., Baraboo, Wis.

CEDAR RAPIDS, IA.—The City Water Co. has been incorporated, with a capital stock of $770,000, by John H. Brown, B. O. Mayer, John M. Terry and F. H. Juckett, all of Chicago, Ill., to build and operate the proposed works.——The City Water Co., it is stated, will sink deep wells for an increased water supply, the water from which, after running through the intake pipes, will be filtered at the pumping station. The improvements will cost about $25,000. G. H. Benzenberg, Consult. Engr., Milwaukee, Wis.

APPLETON, MINN.—Myron & Rieffer, Appleton, are reported to have been awarded the contract for the power house and well for the proposed works and electric plant, to cost $14,000.

EVELETH, MINN.—Bids are asked until June 4 for furnishing and laying 1,200 ft. of 6-in. cast-iron water pipe. Jacob Stein, Village Recdr.

FERGUS FALLS, MINN.—The Fergus Falls Water Works Co. has been incorporated in Maine.

ST. CLOUD, MINN.—The question of improving the quality of the water supply of this city is being considered.

ARKANSAS CITY, KAN.—The Arkansas City Water-Works Co. has been incorporated, with a capital of $90,000, by E. P. Smith, of Chicago; Geo. E. Hopper, of Arkansas City, and Clifford Histed, of Topeka, Kan.

TOPEKA, KAN.—H. V. Hinckley, Topeka, has been retained to complete plans and specifications for the proposed works. It is likely that bids for the construction will soon be wanted. The contract for building the works complete will be let to one firm. It has been decided to use water meters. The works will cost about $382,000. The estimates of the material, etc., required will be found in our issue of May 10. P. L. Wise, Cy. Engr.; C. J. Drew, Mayor.

WEST POINT, NEB.—Reports state that the council has decided to rebuild the reservoir recently built at a cost of $3,000.

EAST GRAND FORKS, N. DAK.—The council has appropriated $5,000 for building works. Address Mayor Brandt and Alderman Frank Tessier, Jr., Chn. Com.

OKLAHOMA CITY, OKLA. TER.—The city attorney has been directed to offer the water company $60,000 for the works. Address City Clerk Spencer.

PAWNEE, OKLA. TER.—An election will be held July 10 to vote on the question of issuing $20,000 of 6% 30-year bonds for works. The bonds have already been sold at a premium of $600. An engineer will be engaged to prepare plans, etc. The work will be contracted. M. H. Bretz, Clk.

COMANCHE, TEX.—The question of building works and electric plant is being considered, according to reports.

QUANAH, TEX.—This place is reported to have voted in favor of works.

BOULDER, COLO.—Bids are asked until June 20 for the purchase of $30,000 of 4% gold bonds for the proposed water-works. E. K. Stafford, Cy. Clk.

MANCOS, COLO.—The board of trustees is desirous of granting a franchise for works and an electric plant, as stated in our advertising columns. Geo. Bauer, Mayor.

YAKIMA AGENCY, WASH.—Bids are asked until June 14 for constructing works and sewers at the Indian station. Jay Lynch, U. S. Indian Agent, Fort Simcoe, Wash.; W. A. Jones, Indian Comr., Washington, D. C.

BAKER CITY, ORE.—Bids for the proposed works will probably be asked by the council at once. W. H. Bentley, Cy. Audr.

HIGHLAND, CAL.—Plans have been prepared by Sel Nourse, Ch. Engr., State Bd. Pub. Wks., Sacramento, for works for the Highland insane asylum. There will be two pumps, two miles of pipes, etc.; estimated cost, $6,000. Dr. W. P. Matthews, Chn. Bd. Comrs., Sacramento.

SANTA PAULA, CAL.—The contracts for furnishing the materials and for constructing works to cost about $100,000 will be let in October by the Rosenberg Water Co. There will be a triplex pump of 3,150 gallons a minute, boiler, engine, 60,000 ft. ¾ to 30-in. pipe, with a 10-ft. head and fall of 10 ft. a mile, power house, etc. The works will be for both domestic and irrigation. A. R. Rosenberg, Pres.

SUSSEX, N. B.—A test well for a water supply is to be sunk at once, according to reports.

HINTONBURG, ONT.—An election, it is stated, will be held June 12 to vote on the question of issuing $25,000 in bonds for works, and $3,500 for fire apparatus.

PORT HOPE, ONT.—Reports state that bids are wanted for the purchase of $20,000 of bonds for extending the works.

SEWERAGE.

EAST HARTFORD, CONN.—Bids are asked until June 19 for furnishing the materials and for constructing a system to consist of about nine miles of pipe sewers, as stated in our advertising columns. C. H. Olmsted, District Engr., Comstock Block, East Hartford.

NEW LONDON, CONN.—The B. D. Pierce, Jr., Co., Bridgeport, Conn., has been awarded the contract for building the Montauk Ave. sewer. A bond of $1,500 is required.

BUFFALO, N. Y.—Miller & Frank have been awarded the contract for building a sewer in Virginia St., at $48,000.

CANANDAIGUA, N. Y.—This village has voted to build the Saltonstall St. sewer. There will be about 3,650 ft. of 24 to 18-in. and 3,150 ft. of 8-in. pipe sewers to cost about $8,800; average cut about 6 ft. There will also be about 900 sq. yds. of brick paving. W. H. Welch, Engr.

DEPEW, N. Y.—The board of trustees has adopted a resolution authorizing the construction of a sewage disposal plant.

KINGS PARK, (L. I.), N. Y.—The state architect, Albany, has been directed to recommend to the managers of the Long Island State Hospital a plant for the proper disposal of the sewage from the Kings Park Hospital. About 600,000 gallons a day are now discharged into the Missequogue River. O. M. Dewing, Supt.

LOCKPORT, N. Y.—The contract for building a sewer and water pipe in Olcott St., has been let to Frank J. Le Valley at $4,150.

NEW BERLIN, N. Y.—The question of building a system is reported as being considered.

NEW YORK, N. Y.—Bids are asked until June 6 for building sewers in 15 streets in Manhattan, Bronx and Brooklyn boroughs. Jas. Kane, Comr. of Sewers, 21 Park Row.

NORTH TONAWANDA, N. Y.—Bids are asked until June 11 for building a sewer in Ironton as a cost of about $6,000, according to reports. A. P. Smith, Cy. Engr.

PERTH AMBOY, N. J.—Bids are asked until June 4 for constructing about 900 ft. of 12-in. pipe sewer, six manholes, receiving basins, etc. Matthew Weirup, St. Comr.

PHILADELPHIA, PA.—The following sewer contracts have been let: Relief sewer on Oxford St., J. H. Louchheim, $32,500. Extension of sewer on Robinson St., Jas. H. Wallace, $21,000. Chestnut St., D. M. Stuart, $21,800. Extension of Wingohocking Creek sewer on Courtland St., B. J. Sullivan, $10,000. Pratt St., from Willow St. to Frankford Ave., J. B. Sullivan, $21,000. Charles Creek extension on Sixty-fifth St., David France, $20,000. Sixtieth St., E. J. Fonder, $4,300. W. H. H. Achuff secured the contract at $20,000 for the construction of a 5-ft. branch sewer, extending from 24th St. and North College Ave. to 25th and Poplar Sts.

BALTIMORE, MD.—The county commissioners have decided to build a cover to the public portion of the Towson branch sewer, and to compel those owning land on the sewer above Pennsylvania Ave., to cover over their portions of the sewer, or to otherwise abate the nuisance.

NEWBERN, N. C.—This place has voted to buy the sewerage system and water-works from the private company operating them for $80,000.

MERIDAN, MISS.—Bids are asked until June 5 for constructing 800 ft. of 8-in. pipe sewer. J. C Lloyd, Cy. Clk.

VICKSBURG, MISS.—Bids are asked until June 4 for building a cypress sewer in the city cemetery road. H. J. Trowbridge, Cy. Clk.

ALEXANDRIA, LA.—Bids will probably soon be asked for building about nine miles of 24 to 6-in. pipe sewers at a cost of $26,000. Ira W. Sylvester, Cy. Engr.

ASHLAND, O.—Bids are asked until June 7 for constructing a sewer in 8th St., and until June 11 for macadamizing five miles of road in Montgomery township. Chas. Grogster, Chn. Bd. Pub. Wks.; S. J. Miller, Clk. Township Trustees.

CINCINNATI, O.—Bids are asked until June 15 for building a trunk sewer in Bennett Road. Robt. Allison, Pres. Bd. Pub. Service.

FINDLAY, O.—Plans for a storm sewer, to cost $4,950, have been prepared. R. C. Ray, Cy. Clk.

WELLSVILLE, O.—Bids are asked until June 18 for building 1,500 ft. of 78-in., 820 ft. of and 72-in. 3-ring cylindrical brick sewer, five manholes, 10 catch basins, etc. Frank Snowden, Clk.; Riggs & Sherman, Engrs., The Nasby, Toledo, O.

XENIA, O.—An election will be held June 2 to vote on the question of issuing $30,000 in bonds for the proposed system, as noted last week. J. E. Weddel, Engr., Mansfield, O.; C. W. Linkhart, Mayor, not Huntington Brown (Mansfield), as incorrectly stated last week; C. F. Logan, Clk.

CRAWFORDSVILLE, IND.—It is proposed to build 18 to 8-in. pipe sewers in a number of streets, to cost $8,000, and also to pave, grade and otherwise improve certain streets. F. Hoffman, Cy. Engr.

KALAMAZOO, MICH.—It is proposed to build about $20,000 worth of 20 to 8-in. pipe sewers. G. B. Pike, Cy. Engr.

FENTON, MICH.—Riggs & Sherman, The Nasby, Toledo, O., have been retained by the council to prepare plans and specifications for a system for that portion of the village south of the Shiawassee River.

MARQUETTE, MICH.—Bids are asked until June 4 for constructing a trunk sewer to cost $3,000. This is the first sewer to be built for South Marquette, and local papers state that further work will be done at a later period. F. E. Bay, Controller.

SOUTH HAVEN, MICH.—The board of public works proposes to build a sewer in Sewer District No 4. L. C. Colburn, Engr., Paw Paw, Mich.

LAKE BLUFF, ILL.—Harding & Nelson, of Racine, Wis., have been awarded the contract for building the system, to consist of 540 ft. 30-in. cast-iron pipe, with crib, cradle and foundation, 940 ft. 30-in. brick sewer, 1,000 ft. 24-in. brick sewer, 75 ft. 12-in. cast-iron pipe and truss support, 20,290 ft. pipe sewers, 42 manholes, 97 catchbasins, 10 combined manholes and flushtanks, 16 lampholes. W. T. Griffith, Engr., Room 209, 225 Dearborn St., Chicago; C. G. Trusdell, Pres. Bd. Local Improvements.

SPARTA, WIS.—It is proposed to build half a mile of 30 to 20-in. sewer and to pave about 1,000 lin. ft. with macadam. Edward Sands, Engr.

DAVENPORT, IA.—Bids are asked until June 5 for constructing about 1,800 ft. of 24 to 12-in. cast-iron and vitrified pipe sewers. Thos. Murray, Cy. Engr.——It is proposed to build a sewer for the new East Davenport school, a system for the East Davenport district, to cost about $90,000, etc. Address Mayor Heinz.

DES MOINES, IA.—Bids are asked by the board of public works until June 11 for constructing 20 to 10-in. pipe sewers in a number of streets. Two bonds of $1,000 each required.

MADELIA, MINN.—Bids are asked until June 18 for constructing about 4,500 ft. of pipe sewer in three streets. D. G. D. Evelyn, Village Recdr.; A. H. Benton, Pres.

WAHPETON, N. DAK.—Bids are asked until June 1 for constructing a system to consist of 1,700 ft. of 44 × 29½ to 37½ × 25-in. brick and 7,818 ft. of 24 to 18-in. pipe sewers, etc., according to reports. R. J. Hughes, Cy. Audr.

ABERDEEN, S. DAK.—Bids are asked until June 5 for constructing a sewer to cost about $12,000, according to reports. E. W. Van Meter, Engr.

BRENHAM, TEX.—A report states that a company is being formed to build and operate a system. It is said that local parties are interested.

TAYLOR, TEX.—John F. Black, Mayor, wishes to correspond at once with sewer contractors and manufacturers of material with a view to building a system. R. J. Ecklandt, Chn. Com.

BERLIN, ONT.—Bids are asked until June 5 for furnishing the materials and for constructing a septic tank. G. H. Bowidy, M. D., Chn. Com.; Wm. M. Davis, Town Engr.

SMITH'S FALLS, ONT.—Cowsey & Young, Stratford, Ont., have been awarded the contract, at $25,387, for Sections 3 and 6 of the sewerage system, and Clark & Connolly, Toronto, the contract for Sections 2, 4 and 5, at $50,509. The chief engineer has been directed to buy a cement testing machine. Address Councilmen W. H. Frost and J. B. Lyle.

GARBAGE DISPOSAL—STREET CLEANING

JERSEY CITY, N. J.—The street and water board has asked for an appropriation of $10,000 in addition to the $50,000 already received for the removal of ashes and garbage.

BALTIMORE, MD.—Paul Iglehart, Street Cleaning Comr., is said to be preparing plans and specifications for a crematory, to cost about $25,000.

HAMILTON, O.—Reports state that this city is considering the question of erecting a crematory.

WELLSVILLE, O.—It is stated that the council is considering the question of purchasing a street sprinkler.

EVANSVILLE, IND.—The board of public works has passed an ordinance to sprinkle several streets from June 23 to Nov. 1. G. W. Swearingen, Clk.

PORT HURON, MICH.—The council is said to have instructed the superintendent of public works to purchase a 600-gallon street sprinkler.

CENTERVILLE, LA.—The board of health of Vermillion township has decided to erect a crematory near this city. Dr. G. F. Severs, Health Physician.

STREETS AND ROADS.

BOYLSTON, MASS.—Bids are asked by the Metropolitan Water Board, 3 Mt. Vernon St., Boston, until June 7 for building three roads in Boylston and West Boylston, as stated in our advertising columns. Wm. N. Davenport, Secy.

TEWKSBURY, MASS.—Bids are asked by the county commissioners, East Cambridge, until June 16, for building Andover St. in this town.

AUBURN, N. Y.—We are informed that this city will probably spend about $15,000 this season on paving. D. F. Austin, Cy. Surv.

BROOKLYN, N. Y.—Bids are asked by the Department of Parks, Arsenal, Central Park, New York, until June 7 for grading, curbing, guttering and macadamizing the Bay Ridge Parkway, including about 12,500 cu. yds. of stripping, 62,800 cu. yds. of excavation, 14,500 sq. yds. of new macadam pavement, about 4,500 sq. yds. of macadam relaid and about 1,300 lin. ft. of dressed curb.

CORTLAND, N. Y.—The contract for paving Groton Ave. with La Brea asphalt and stone curb and gutter has been let to the Warner-Quinlan Asphalt Co., Syracuse, at $25,570. This company bid $24,398 for the same kind of asphalt with Portland cement curb and gutter.

FREDONIA, N. Y.—Bids are asked until June 11 for about 3,000 sq. yds. of brick pavement on Water St. G. T. Marsh, Village Clk., J. P. Morrissey, Village Engr.

ROCHESTER, N. Y.—Bids are asked until June 1 for about 14,000 sq. yds. of asphalt pavement on Clifford St., to cost about $56,000. Wm J. Stewart, First Asst. Cy. Engr.

ROME, N. Y.—The council has received the following bids for street improvements: For paving Washington St.—Conners & Smith, Fulton, four kinds of brick specified, $41,234, $44,009, $44,554, $44,833. Dollard & Holler, Albany, five kinds of brick specified, $41,517, $42,211, $42,766, $42,766, $39,851. Warren-Scharf Asphalt Co., asphalt, $43,398. Walter Bradley & Co., Oswego, $38,982. Alcatraz Asphalt Co, San Francisco, Cal., $42,730. Baker & Judson, Gloversville, four kinds of brick specified, $40,957, $42,343, $43,036, $43,729. W. J. Cramond, Rome, four kinds of brick specified, $35,385, $36,450, $38,021, $38,577. Liberty St.—Dollard & Holler, five kinds of brick specified, $12,521, $12,730, $12,877, $12,977, $12,020. Conners & Smith, four kinds of brick specified, $13,283, $13,450, $13,533, $12,448. Alcatraz Asphalt Co., asphalt, $12,379. Walter Bradley Co., $9,724. Baker & Judson, $12,254. Warren-Scharf Asphalt Paving Co., asphalt paving, $12,701. Fred. P. Spaulding, five kinds of brick specified, $11,672, $12,048, $11,965, $11,964, $11,255. W. J. Cramond, four kinds of brick specified, $10,685, $11,019, $11,478, $11,645. James St.—Baker & Judson, three kinds of brick specified, $4,626, $4,702, $4,779. Conners & Smith, four kinds of brick specified, $4,804, $5,111, $5,172, $5,202. Walter Bradley & Co., $4,329. W. J. Cramond, four kinds of brick specified, $3,319, $4,116, $4,285, $4,346. George St.—Conners & Smith, four kinds of brick specified, $39,389, $42,002, $42,525, $42,786. Baker & Judson four kinds of brick specified, $38,517, $39,822, $40,475, $41,128. Walter Bradley & Co., three kinds of brick specified, $36,669, $38,629, $39,152. Warren-Scharf Asphalt Paving Co. asphalt, $39,622. F. P. Spaulding, five kinds of brick specified, $34,742, $36,048, $37,324, $36,906, $36,953. Dollard & Holler, five kinds of brick specified, $39,201, $39,854, $40,376, $40,386, $37,633. W. J. Cramond, four kinds of brick specified, $33,459, $34,505, $35,942, $36,465. Floyd Ave. storm water sewer.—Frank George, $6,374. Thomas Bovee, $6,006. George St. storm water sewer.—Fred P. Spaulding, $11,679. Baker & Judson, $14,303.

ROME, N. Y.—Bids are asked until June 4 for about 7,600 sq. yds. of brick pavement on West Dominick St., as stated in our advertising columns. F. A. Coleman, Cy. Engr.

KEARNEY, N. J.—The contract for macadamizing Passaic Ave. is said to have been let to James Harrington, 43 Orchard St., Jersey City, at $26,834.

PATERSON, N. J.—Bids are asked until June 4 for macadamizing and improving several county roads. E. N. Kivitt, Chn. Bd. Freeholders; G. W. Botbyl, Clk.

BALTIMORE, MD.—Ordinances have been introduced into the council to pave North Ave. with asphalt, to cost about $62,233; to pave Carey St. with blocks, to cost about $44,000; to pave Fort Ave. with blocks, to cost about $45,000.

BALTIMORE, MD.—Bids are asked until June 6 for paving St. Paul St. with asphalt and brick. B. T. Fendall, Cy. Engr.

HAMPTON, VA.—We are informed that the contract for paving Kings and Court Sts. with asphalt block, about 9,336 sq. yds., has been let to the Washington Asphalt Block & Tile Co., Washington, D. C., at about $25,400; the contract for building about 6,100 ft. of 8, 10 and 12-in. pipe sewer has been let to Guild & Co., Chattanooga, Tenn. at $5,938. The Newport News & Old Point Comfort Ry. Co. will pave Queen St. and Armistead Ave. with blocks.

JACKSONVILLE, FLA.—The council has passed ordinances providing for the paving of Newnan, Johnson and Cedar Sts. with brick. Wm. C. West, Recorder; J. E. T. Bowden, Mayor.

CHATTANOOGA, TENN.—The council has been petitioned to pave Fourth St.

ASHLAND, O.—Bids are asked until June 11 for macadamizing about five miles of town road. S. J. Miller, Clk.

CARTHAGE, O.—The council has passed an ordinance to macadamize Sixth and Anthony Sts.

CINCINNATI, O.—Bids are asked until June 1 for macadamizing Taylor Ave., and until June 15 for macadamizing Grandin road. Robt. Allison, Pres. Bd. Pub. Ser-

vice; Geo. F. Holmes, Clk.——The board of public service has approved the plans of City Engineer Stanley for paving Harrison Ave. with granite for a distance of about 21,000 ft. to cost about $400,500.

CARTHAGE, O.—Bids are asked until June 21 for improving Jackson and Taylor Sts. Lewis Hall, Village Clk.

CUYAHOGA FALLS, O.—Bids are asked by the board of public improvements until June 11 for grading, curbing and paving Front St. Address, C. A. Weidner.

DAYTON, O.—Bids are asked until June 4 for paving two alleys with boulders and for cement or asphalt sidewalks on six streets. C. A. Herbig, Pres. Bd. Cy. Affairs; Robt. H. Ferguson, Cy. Comptroller.

GREENVILLE, O.—Bids are asked by the City Engineer until June 8 for grading, curbing, etc., in several streets.

LANCASTER, O.—Bids are asked until June 18 for improving High St. H. T. Mechlino, Cy. Clk.

MARION, O.—Bids are asked until June 16 for paving several streets and alleys with brick. Jas. Beatty, Cy. Clk.

MARIETTA, O.—W. P. Mason, Cy. Engr., writes us that this city will soon advertise for bids for paving one street with brick and one with asphalt and for constructing a short storm water 9-in. brick sewer.

OAKLEY, O.—Bids are asked until June 21 for macadamizing Russell Ave. William Wersel, Village Clk.

RAWSON, O.—Bids are asked until June 9 for macadamizing several roads in Union Township. David Huffman, Township Clerk.

SANDUSKY, O.—A. W. Miller, Cy. Clk., writes us that the contract for about 10,000 sq. yds. of sheet asphalt pavement on a 6-in. concrete foundation has been let to the Ayers Asphalt Paving Co., Zanesville, O., at about $25,000.

TOLEDO, O.—The council has passed an ordinance providing for the paving of Avondale Ave. J. L. Stark, Pres. Council; J. E. Connell, Cy. Clk.

ALEXANDRIA, IND.—Bids are asked until June 15 for about 31,000 sq. yds. of brick pavement on a broken stone foundation. J. S. Humphrey, Cy. Engr.

CRAWFORDSVILLE, IND.—Bids are asked until June 22 for about 8,000 sq. yds. of brick pavement, on a concrete foundation, to cost about $13,000. F. Hoffman, Cy. Engr.

INDIANAPOLIS, IND.—Bids are asked until June 1 by the Board of Park Commissioners for constructing about 16,000 sq. ft. of stone screenings walk.

GRAND RAPIDS, MICH.—L. W. Anderson, Acting Engr., writes us that the Sheldon St. paving has not yet been ordered by the council, but bids will be received later on for sheet or block asphalt or brick pavement.

KALAMAZOO, MICH.—G. B. Pike, Cy. Engr., writes us that the city will lay by day labor about 2,000 sq. yds. of block asphalt pavement, to cost about $4,400 and 15,000 sq. yds. of Metropolitan block pavement, to cost about $23,000.

MENOMINEE, MICH.—The council has ordered six streets to be macadamized. Work will be started at once.

MUSKEGON, MICH.—The people voted at a special election held May 21 to issue $84,000 in bonds for street improvements.

DECATUR, IND.—W. E. Fulk, Engr., writes us that the contract for constructing the Geneva, Ceylon and Wabash Township macadam road has been let to Huffman, Augspurges & Reynolds, Linn Grove, at $26,950, and for constructing the Joel Hirschey macadam road, to A. J. Frost, Portland, Ind., at $9,661. An election will be held June 19 to vote on the question of building about 27 3-10 miles of macadam road, to cost about $88,558.

CHICAGO, ILL.—Bids are asked by the board of commissioners of Lincoln Park until June 16 for constructing certain boulevard improvements. H. B. Wickersham, Pres.; C. S. Erby, Secy.

MANITOWOC, WIS.—The contract for paving Eighth St. with block has been let to Smith, Moss & Brown, 78 La Salle St., Chicago, Ill., at $24,102, and for paving Commercial St. with block to the Hackworthy Construction Co., Appleton, Wis., at $12,936.

SPARTA, WIS.—H. Teasdale, Supt. of Water-Works, writes us that the city is having plans and specifications prepared for macadam pavement and for about a half mile of 30-in. to 20-in. sewer. Edward Sands, Engr.

CLINTON, IA.—Bids are asked until June 6 for macadamizing a portion of road in Waterford township. L. Rutenbeck, County Audr.

DES MOINES, IA.—Bids are asked by the board of public works until June 11 for grading Crocker and West Fifteenth Sts., about 13,700 cu. yds.——The council has passed an ordinance for improving West 12th St. E. R. Bennett, Cy. Clk.

ST. PAUL, MINN.—Bids are asked until May 31 for grading Bourne Ave. Wm. L. Ames, Pres. Bd. Pub. Wks.; C. H. Bronson, Clk.

SIOUX FALLS, S. DAK.—Bids are asked until June 4 for grading Duluth Ave. E. G. Ledyard, City Auditor.

GALVESTON, TEX.—Bids are asked until June 9 for between 500,000 and 700,000 paving bricks, as stated in our advertising columns. Geo. Q. McCracken, Secy. Bd. Pub. Wks.

MT. VERNON, WASH.—Bids are asked until June 6 for building a portion of the Cook Road, about three miles long. Grant Neal, County Auditor.

TACOMA, WASH.—Bids are asked until May 31 for improving Sprague St. R. W. Clark, Comr. Pub. Wks.

MONTREAL, QUE.—Bids are asked until June 7 for repaving a portion of Craig St. with asphalt and granite blocks. L. O. David, Cy. Clk.

MANUFACTURING PLANTS.

MILTON MILLS, N. H.—The site of the Waumbeck Mill has been purchased by Henry Townsend, who will soon begin the erection of a new plant, according to reports.

GENEVA, N. Y.—It is stated that Fairfax Bros. will build a new factory for the manufacture of wall paper.

PHILADELPHIA, PA.—J. Franklin Stuckert & Son have completed plans for a 5-story factory building for Frank Schoble & Co., Ninth and Oxford Sts.

PITTSBURG, PA.—Bids are asked until June 8 for erecting a repair and machine shop at the corner of Cherry and Strawberry Alleys, and for furnishing two horizontal water-tube boilers. Wm. G. Brady, Arch., Room 32, Stevenson Bldg. J. O. Brown, Dir. Dept. of Pub. Safety.

SOUTH BOSTON, VA.—The Century Cotton Mills have been organized, with $200,000 capital stock, with Rev. T. S. Wilson, Pres.; L. A. Lukin, Gen. Mgr. The construction of a plant will be started as soon as a location is secured and plans completed.

GRANITEVILLE, S. C.—The Graniteville cotton factory is to put in a new $50,000 mill near the present one, to be completed by fall.

GREENWOOD, MISS.—A stock company is reported to have been organized, with $1,000,000 capital stock, to build an oil refinery to cost about $200,000 and employ 250 men. The company will construct its own tank cars to carry the crude oil to the refinery and to market.

EASTMAN, GA.—Park Harper writes us that bids are wanted at once for the equipment of a $100,000 cotton mill, to manufacture cloth and yarns. The equipment is estimated to cost $50,000. Mr. Harper would like to hear from manufacturers of hosiery and underwear knitting machinery, as the company will also erect a knitting mill.

LAWRENCEVILLE, GA.—The location of the proposed cotton mill has been definitely decided on, according to reports. The contracts for the building will be let at once. The machinery has been purchased. About $50,000 has already been subscribed toward the enterprise. M. S. Cornett, Pres.

MOULTRIE, GA.—Z. H. Clark, Secy., Moultrie Cotton Mills, writes us that contracts will be let at once for the buildings and the equipment of the company's mill. The building will be two stories, 230 x 100 ft., having 170 electric lights and standard fire protection; estimated cost, $16,000. The equipment will cost about $68,000. A 175-HP. engine and a 200-HP. boiler will be needed.

WARRENTON, GA.—Local papers state that about $30,000 has been subscribed towards the knitting mill to be erected by the B. L. Battle Mfg. Co., on which work will be started at once. B. L. Battle, C. C. Farmer and Wm. M. Hawes are interested.

BIRMINGHAM, ALA.—W. H. Graves writes us that plans have not been completed for his plant at this place. The machinery has been ordered.

MOBILE, ALA.—M. W. Dunlap, Secy. Mobile Cotton Mill, informs us that the contract for the building has not been awarded. An engine, a boiler, shafting and belting will be needed for the mill.

McCOMB CITY, MISS.—The contract for the building of the McComb Cotton Mills has been let to W. G. McGee, Jackson, at $31,888. The machinery has been ordered.

LEXINGTON, LA.—G. A. Winson, J. E. Stanfield and M. M. Raynor have recommended the immediate erection of a cotton factory, to cost about $100,000. They have returned from a visit to the North Carolina mills. It is stated that lands will be purchased and the construction started at once.

SHREVEPORT, LA.—Bids are asked until June 11 for the construction of the Hargrove Cotton Mill. John W. Taber, Secy.

CHATTANOOGA, TENN.—Local papers state that contracts for the proposed cotton mill at this place will be let by June 1. The plans are now being prepared. A. S. Hamilton, Pres., will select a site on the outskirts of the city. The mill will cost about $500,000.

FISHER, MICH.—The saw mill and cedar plant of C. H. Worcester & Co. has been destroyed by fire, reported, loss, $250,000. The mill will be rebuilt at once.

SAGINAW, MICH.—It is reported that Chas. L. Roeser will erect two factory buildings in this city, one 80 x 160 ft. and the other 30 x 140 ft.

PHILLIPS, WIS.—The Flambeau Paper Co.'s mill and warehouse, at Park Falls, was burned on May 27; reported loss, $200,000.

GATESVILLE, TEX.—The Gatesville Cotton Seed Oil Co. has been organized, with $30,000 capital stock. It is expected to begin the construction of the mill at once, and to have it in operation by the opening of the cotton season next fall. J. B. Cox, Pres., Campbell.

GAS PLANTS.

MANSFIELD, O.—Bids are asked, according to reports, until June 6 for furnishing about 40 Welsbach naphtha 70-c. p. lights and 200 14-c. p. gasoline vapor lights for one year, from June 13. F. M. Renny, Cy. Clk.

MISHAWAKA, IND.—Reports state that the South Bend Fuel & Gas Co. has been granted a 40-year franchise, and will lay about six miles of mains.

VINCENNES, IND.—Bids are asked until June 25 for a ten-year franchise for furnishing gas, to date from December 27, 1900. Geo. E. Greene, Mayor.

SPRINGFIELD, MO.—The council has granted a franchise to the Springfield Lighting Co., to erect a gas plant.

OAKLAND, CAL.—Bids are asked, according to reports, until June 4 for lighting the public buildings. J. W. Tompkins, Cy. Clk.

BALTIMORE, MD.—Bids are asked until June 6 for installing and maintaining a number of Welsbach naphtha lights. Robt. J. McCuen, Supt. Lamps and Lighting.

MISCELLANEOUS CONTRACTS.

LIGHTHOUSE.—Baltimore, Md.—Bids are asked until June 14 for erecting a lighthouse on Hooper Island, Md. Lieut.-Col. W. A. Jones, U. S. Engr.

ELEVATOR PLANT.—Philadelphia, Pa.—Bids are asked until June 18 for installing an elevator plant in the U. S. Mint. Jas. K. Taylor, Supv. Arch., Treasury Department.

BEACONS.—Pensacola, Fla.—Bids are asked until June 11 for erecting five beacons in Pensacola Bay and Santa Rosa Sound, Fla., Lieut.-Col. A. N. Damrell, U. S. Engr., Mobile, Ala.

DRAINAGE DITCH.—Onawa, Ia.—Bids are asked by the county auditor, according to reports, until July 5, for constructing the Woodbury-Monona ditch, about eight miles long.

HARBOR IMPROVEMENTS.—Cleveland, O.—It is stated that the city auditor will soon advertise for bids for the purchase of $150,000 in bonds for river and harbor improvements.

REPAIRING WHARF.—St. Louis, Mo.—Bids are asked until June 12 for repairing a wharf with granite and limestone. R. E. McMath, Pres. Bd. Pub. Imp.; E. S. Foster, Secy.

MACHINE TOOLS.—Boston, Mass.—Bids are asked until June 5 for furnishing a quantity of machine tools at the navy yard. A. S. Kenny, Paymaster-General, U. S. N., Washington, D. C.

PREVENTING SMOKE.—Denver, Colo.—Bids are asked until June 1 for a device for consuming or preventing smoke from four boilers in the State Capitol. H. Lueders, Secy. Bd. Capitol Mgrs.

ELEVATOR PLANT.—Atlanta, Ga.—Bids are asked until June 25 for installing an elevator plant in the U. S. building. Jas. K. Taylor, Supv. Arch., Treasury Department, Washington, D. C.

DREDGING.—Galveston, Tex.—Bids are asked until June 30 for dredging, etc., in Galveston Slip Channel and Buffalo Bayou, as stated in our advertising columns. Capt. O. S. Riche, U. S. Engr.

HEATING SYSTEM.—Champaign, Ill.—We are informed that the Urbana & Champaign Railway Gas & Electric Co. will install a heating system for heating public and private buildings. A. J. Pepper, Supt.

ICE PIERS.—Philadelphia, Pa.—Bids are asked until June 25 for constructing ice piers in Delaware Bay, Del., as stated in our advertising columns. First Lieut. Spencer Colby, U. S. Engr., Witherspoon Bldg.

DREDGING.—Newport, R. I.—Bids are asked until June 30 for dredging the entrance to harbor at Great Salt Pond, Block Island, R. I., as stated in our advertising columns. Maj. D. W. Lockwood, U. S. Engr.

MACHINE TOOLS.—Puget Sound Naval Station, Wash.—Bids are asked until June 19 for furnishing a quantity of machine tools at the naval station. A. S. Kenny, Paymaster-General, U. S. N., Washington, D. C.

DAM.—Glens Falls, N. Y.—Reports state that the contract for erecting the dam across the Hudson River near here for the Hudson River Power Co. has been let to the National Contracting Co., 11 Broadway, New York.

EXCAVATING.—Vicksburg, Miss.—Bids are asked until June 28 for excavating about 7,500,000 cu. yds. of earth along the route for diverting the mouth of the Yazoo River near Vicksburg. Maj. T. L. Casey, U. S. Engr.

NAVAL SUPPLIES.—Norfolk, Va.—Bids are asked until June 5 for furnishing a quantity of bolts, screws, bar iron, steel rivets, plate, etc., at the navy yard. A. S. Kenny, Paymaster-General, U. S. N., Washington.

DIKES.—Mound City, Ill.—Bids are asked until June 29 for building dikes and for depositing stone on old dike in Ohio River, near Mound City, as stated in our advertising columns. Maj. Wm. H. Bixby, U. S. Engr., Customhouse.

LEVEES.—Memphis, Tenn.—Bids are asked until June 27 for constructing ten miles of new levee in Crittenden county, Ark., containing about 1,097,000 yds., as stated in our advertising columns. Harry N. Pharr, Ch. Engr.

PIER, ETC.—Yonkers, N. Y.—Bids are asked until June 11 for constructing a pile pier near the south end of the public dock and for altering and extending the Main St. sewer outlet. L. Sutherland, Mayor; J. Pagan, Jr., Cy. Clk.

LIGHTHOUSE TENDER.—Washington, D. C.—Bids are asked until June 25 for constructing the twin screw steel steam lighthouse tender "Sumac" and delivering same at Chicago, Ill., or St. Joseph, Mich. Rear Admiral F. J. Higginson, U. S. N.

VESSEL.—Astoria, Ore.—The following bids are said to have been received by Rear Admiral J. F. Higginson, U. S. N., May 18, for erecting the steel steam lighthouse tender "Heather": Moran Bros., Seattle, Wash., $124,800; Townsend & Downey, Pier 2, Erie Basin, Brooklyn, $107,500.

WATER-CLOSET BASINS.—Columbus, Ga.—The Columbus Power Co. is desirous of securing a type of water-closet basin for use in its mill village. A basin is wanted that is either of non-rusting metal or of some kind of pottery that will not in any way contaminate the soil. The company intends to have these basins emptied each night. The basins must be strong, durable and not too heavy. Catalogues, price lists, etc., of such basins are wanted. Address W. R. Cornell, Columbus Power Co.

FOREIGN CONTRACTS AND EXPORT NEWS.

BRAZIL.—Bids are wanted by the Brazilian government, Rio de Janeiro, until May 31 for a 30-year lease of the South of Pernambuco Ry. This government line is about 90¾ miles long, and is meter gage. Dr. Luiz M. Bittencourt, Dir., Rio de Janeiro.——The prospect for a railway between Rio and Antofagaste, Chile, 3,700 kilometers, which was first put forward by Dr. Castro Barbosa at a session of the Club de Engenharia in that city in May, 1897, is again being urged. It is expected that a survey of the proposed route will be undertaken soon.

SYDNEY, N. S. W.—In April the city council ordered Preece & Cardew, 75 Pitt St., Sydney, to prepare plans and specifications at once, so that bids for furnishing and constructing the electric plant may be called for without delay. At first the lighting is to be restricted to the city proper, but gradually the plant will be extended to the suburbs. About 55½ miles of streets are to be lighted with arc lamps, while the narrow and smaller streets will be lighted with gas as at present. The parks, market places, town hall, etc., together with the working of the refrigerating machinery at the Woolloomooloo fish market and the pumping of salt water from the harbor. Maj. Cardew has recommended that the power plant at first be installed with two 1,000-HP. and two 250-HP. engines, and that space be provided for three more 1,000-HP engines, and also, if possible, that further space be held for additional 5,000 HP. A site for the power house has been selected on Kent St., near the Observatory. The estimated cost of installation, including grading of site, constructing sea-wall and jetty, buildings, furnishing machinery, etc., is as follows: Mains and street work, $300,000; generating plant, $250,000; buildings, etc., $125,000; wiring and fitting markets, etc., $15,000. The sum available for the work is $1,250,000.

SYDNEY, N. S. W.—Plans, bids, etc., are asked until Aug. 1 for the proposed bridge over Sydney Harbor, as advertised in our issue of March 15. The plans, bids, etc., may be deposited at the office of the Agent-General for New South Wales, Westminster Chambers, 9 Victoria St., Westminster, London, instead of sending them to the colony, thus allowing several more weeks for preparation. The diagram of the harbor and conditions may be seen at the offices of Engineering News, 220 Broadway, New York, and Monadnock Bldg., Chicago, Ill.

CRETE.—Bids are asked by the government of Crete until July 10 for the purchase of a concession for the construction and working of railways in the island of Crete. The concession is to be for 50 years, for the following meter gage lines; Canea, Alikianon, Platania, Castelli, Kissamo; Canea, Suda, Rethymo; Candia (Messara), Pyrghiotissa; Rethymo, Milopotamo, Gharazon; Candia, Pediada, Mirambello, Hierapetra and Candia, Gharazon; on a basis of 15 centimes per head per kilo, for first-class passengers; and 10 centimes for second-class passengers; and 15 centimes per ton per kilo for packages of goods; and 10 centimes for goods in bulk. No surveys of the lines have yet been made. Address the Minister of Railways, Constantinople, Turkey.

WOLVERHAMPTON, ENG.—Bids are asked until June 26 for constructing over a mile of double track electric railway. J. W. Bradley, Borough Engr.

DURBAN, NATAL.—Bids are asked until July 23 for furnishing the materials and for constructing about 16 miles of overhead equipment for the proposed electric road; also furnishing 22 double-deck motor cars, complete, and th emachinery, etc., for the power plant, including three 250-K-W. direct-coupled generators, etc. Deposit for specifications, etc., $50. Address Webster, Steel & Co., Agents for Durban Corporation, 5 East India Ave., Leadenhall St., London, E. C.

PORT ADELAIDE, SOUTH AUSTRALIA.—Bids are asked by the supply and tender board office until July 4 for furnishing the following materials, delivered in bond on wharf, Port Adelaide, wharfage to be paid by the contractor: 108 mild steel boiler plates, 63 mild steel boiler plates for flanging, 9 mild steel smokebox tube plates for flanging, 9 copper tube plates for flanging, 9 copper back plates for flanging, 9 copper wrapping plates, 380 bars best Yorkshire iron; 2,150 solid drawn copper boiler tubes, 18 bars best Yorkshire angle iron, 13 bars best Yorkshire tee iron, 108 plates Netherton Crown iron, 140 plates charcoal iron or extra B.B.S., 9 steam pressure gages, 12 safety valve springs, 9 solid drawn copper steam pipes, 12 double Detroit sight feed cylinder lubricators, 20 Gresham's combination injectors, 6,470 Stone's patent bronze flexible unscrewed firebox stays, 1 calorimeter or coal testing apparatus, 18 bars of coping iron for cab, 9 circular plates of best Yorkshire iron and 74 solid drawn copper pipes. Specifications may be seen at the office of the Agent General for South Australia, London.

CHIHUAHUA, MEX.—The Minaca Improvement Co. Ltd., of Chihuahua, wants bids for about 10,000 ft. of 4-in. pipe, a 60,000-gallon tank and pump, elevated from surface of water at river to surface of tank, where fall is 208 ft. Address Wm. Dale, of Minaca Improvement Co., Avenida Independencia 164.

VANCOUVER, B. C.—Reports state that the Stave Lake Power Co., Ltd., will build a power plant at the water falls on the Stave River, 42 miles from here, at a cost of about $500,000. Capital stock, $1,000,000.

WOLVERHAMPTON, ENG.—Bids are asked until June 25 for furnishing and erecting machinery, etc., for the new abattoirs, and also for erecting and fully equipping the building. J. W. Bradley, Surv.

LONDON, ENG.—Bids are asked until June 16 for furnishing and erecting an electric plant, installing telephones, fire alarms, etc., at the Horton Asylum, near Epsom. R. W. Partridge, Clk. Asylum Com., 6 Waterloo Place, S. W., London.

SUTTON COLDFIELD, ENG.—Bids are asked until June 21 for furnishing the materials and for erecting an electric light plant. Deposit for specifications, plans, etc., $25. W. C. C. Hawtayne, Engr., 9 Queen St. Place, London, E. C.; T. V. Holbeche, Town Clk.

MIDDLESBOROUGH, ENG.—Bids are asked until June 16 for furnishing a 5-ton steam crane, to have a 30-ft. jib; also for laying new sidings, crane road, etc. Frank Baker, Borough Engr.

NAPSBURY, MIDDLESEX, ENG.—The Middlesex County Council, Napsbury, will soon let contracts for an asylum building, to cost about $1,800,000, which will include an extensive electric plant. Wm. H. Massey, Consult Engr., Queen Anne's Gate, London, S. W.

CONTRACT PRICES.

BREAKWATERS.—Ashtabula, O.—Col. Jared A. Smith, U. S. Engr., received bids April 16 for building breakwaters in Ashtabula Harbor and Black River, O. It was found that the funds at present available for Black River would make it inadvisable for the government to enter into a contract for that work at present prices, and a revised project is under consideration; type 1 is for breakwaters built entirely of stone, with pier heads of timber, stone and concrete; type 2 is for breakwaters of stone and concrete, with same style of pier heads, and type 3 is for breakwaters of stone and concrete with same style of pier heads as type 1. Types 2 and 3 differ from each other principally in the manner of using the concrete blocks. The bids were as follows, the contract being let May 15 to the Donnelly Contracting Co., 896 Ellicott Square, Buffalo, N. Y., for type 1; work to begin in June:

BIDS RECEIVED AT ASHTABULA, O., APRIL 16, 1900, FOR CONSTRUCTING BREAKWATERS.

Type 1.

Quantities.		Patrick Keobane, Fayetteville, N.Y.	D. & G. Griese, Cleveland.	Donnelly Contracting Co., Buffalo.	L.P. & J.A. Smith Co., Cleveland.	Geo. L. Wells, Bay City, Mich.
Heavy rip-rap stone	60,801 tons....	$1.29	$1.80	$1.43	$1.85	$1.80
Filling for core	101,223 " ...	1.22	2.10	.77	1.25	.70
Small stone	113,686 " ...	1.29	2.40	1.06	1.25	1.50
Large stone, paving	33,314 " ...	3.90	3.50	2.09	4.25	3.00
Hemlock timber	279,174 ft. B.M.	23.00	25.50	25.00	28.00	21,00
Oak lumber	20,400 " "	30.00	110.00	46.00	60.00	35.00
Concrete blocks	10,124 cu. ft...	.50	.65	.41	.80	.27
Concrete in mass	716 cu. yds.	6.00	9.00	8.40	9.00	6.50
Foundation stone	3,120 tons....	1.24	1.80	1.26	1.25	1.80
Filling stone	12,256 " ...	1.22	1.90	1.20	1.25	1.60
Paving stone for well	82 " ...	3.90	3.50	2.40	10.00	2.50
Tie-rods and washers	12,566 lbs.....	.045	.04	.05	.05	.04
Drift bolts	17,700 "	.045	.045	.035	.04	.03
Screw bolts and washers	37,314 "	.045	.05	.04	.05	.045
Lag screws and washers	24,380 "	.045	.05	.05	.05	.05
Corner straps	2,390 "	.045	.05	.06	.05	.10
Total for type 1.		$518,439	.....	$407,410	$570,867	$424,334

Type 2.

Quantities.		D. & G. Griese, Cleveland, O.	Hunkin Bros., Cleveland, O.	Donnelly Contracting Co., Buffalo, N.Y.	George L. Wells, Bay City, Mich.
Hemlock timber	3,726,447 ft. B.M.	$25.50	$25.00	$24.00	$21.00
Oak timber	356,808 " "	110.00	52.00	46.00	35.00
Small stone, filling	102,090 tons....	2.10	1.30	1.35	1.60
Paving stone for well	82 " ...	3.50	4.25	2.40	2.50
Heavy rip-rap	26,193 " ...	1.80	1.40	1.55	1.90
Tie-rods and washers	342,040 lbs.....	.04	.04	.06	.04
Drift bolts	264,382 " ...	.04½	.04	.03½	.03
Screw bolts and washers	312,501 " ...	.05	.04	.04	.04½
Lag screws and washers	433,925 " ...	.05	.04	.05	.05
Spikes	19,356 " ...	.06	.04	.05	.04
Straps	2,390 " ...	.05	.04	.05	.10
Concrete blocks	129,068 cu. ft...	.65	.42	.41	28.00
" in mass	2,714 cu. yds.	9.00	7.52	8.40	6.50
" blocks, pier heads	10,124 cu. ft...	.65	.42	.41	.27
" mass for pier heads	716 cu. yds.	9.00	7.52	8.40	6.50
Total for Type 2		$580,400	$420,689	$435,405	$423,612

Type 3.

Hemlock timber	3,726,447 ft. B.M.	$25.00	$25.00	$24.00	$21.00
Oak timber	314,400 " "	110.00	52.00	41.60	35.00
Small stone	93,717 tons....	2.10	1.30	1.35	1.60
Paving stone for well	82 " ...	3.50	4.25	2.40	2.50
Heavy rip-rap stone	26,193 " ...	1.80	1.40	1.55	1.90
Tie-rods and washers	342,040 lbs.....	.04	.04	.06	.04
Drift bolts	264,382 "	.04½	.04	.03½	.03
Screw bolts and washers	305,028 "	.05	.04	.04	.04½
Lag screws and washers	433,925 "	.05	.04	.05	.05
Spikes	19,356 "	.06	.04	.05	.04
Straps	2,390 "	.05	.04	.05	.10
Concrete blocks	110,534 cu. ft...	.60	.42	.41	27.00
Concrete in mass	6,332 cu. yds.	8.00	7.52	8.40	6.50
Total for Type 3		$557,002	$418,491	$435,721	$419,174

DREDGING AND FILLING.—League Island Navy Yard, Pa.—The following bids were received May 26, 1900, for dredging 338,500 yds. from back channel west of Broad St., League Island, Philadelphia; M. T. Endicott, Ch. Bureau Yards and Docks, Navy Dept., Washington, D. C.: Bowers Hydraulic Dredging Co., Camden, N. J., 36 cts. per cu. yd. for dredging, $10 b. m. 1,000 ft. for removing timber, $3 for removing knees; American Dredging Co., Philadelphia, 22½ cts. per cu. yd. for dredging, $15 b. m. 1,000 ft. for removing timber, $5 for removing knees; Atlantic, Gulf & Pacific Co., New York, 26½ cts. per cu. yd. for dredging, $5 b. m. 1,000 ft. for removing timber, $2 for removing knees; H. R. Wheeler, New York, 19⅝ cts. per cu. yd. for dredging, $20 b. m. 1,000 ft. for removing timber, $1.90 for removing knees.

BRICK PAVING.—Kewanee, Ill.—The following bids were received May 18 for brick paving; John E. Shepardson, Cy. Engr.:

Bids Received at Kewanee, Ill., May 18, 1900, for Brick Paving.

Bidder.	Alleys (6-in. concrete base). Excavation, 2,812 yds.	Curbing: Berea stone, 77 lin. ft.	Curbing: 3x12" oak, 2,573 lin. ft.	Brick pavmt, 2,940 yds.	Total.	Tremont St. (4" concrete base). Excavation, 5,705 yds.	Curbing: Berea stone, 4,210 lin. ft.	Curbing: 3x10" oak, 268 lin. ft.	Brick pavmt, 8,113 yds.	Total.
J. B. McAuley, Galesburg	$0.22	$0.50	$0.20	$1.45	$5,435*	$0.20	$0.50	$0.20	$1.25	$13,441
N. E. Stucker, Ottawa Ill.	.22	.50	.24	1.45	5,538	.16	.47	.20	1.29	13,411*
R. C. Huston & Co., Chicago	.25	.55	.26	1.42	5,589	.25	.55	.30	1.37	14,357
W. W. Hatch & Son, Goshen, Ind.	.18	.53	.40	1.47	5,898	.18	.53	.40	1.29	13,724

*Awarded contracts.

RESERVOIR.—Salt Lake City, Utah.—The following bids were received May 18 for constructing a distributing reservoir, contract awarded to the Excelsior Wooden Pipe Co., of San Francisco; (1) Gillette, Hay & Gillette, Rochester, N.Y.; (2) N. P. Glann Construction Co., Chicago; (3) Excelsior Wooden Pipe Co., San Francisco; (4) Stamsen & Blome, Chicago; Frank C. Kelsey, Cy. Engr:

	1.	2.	3.	4.
Excavation ...6,000 yds.	$0.80	$0.50	$0.64	$0.60
Backfilling .... 500 "	.75	1.00	.29	.40
Conc'te mas'ry.2,250 "	10.05	8.50	8.05	8.30
" coping. 940 "	.40	1.00	.80	1.10
Cem. plaster ..6,000 yds.	.25	.50	.43	.42
Laying iron pipe conns*	75.00	1,080.00	180.00	230.00
Washout & overflows†	75.00	800.00	120.00	110.00
Manhole, washout pipe.	25.00	50.00	45.00	50.00
Filling joints	50.00	700.00	150.00	350.00
Total	$29,889	$29,759	$25,925	$26,769
Time of completion	Aug.15	July 31	July 15	Aug. 5.

*Including lead for joints. †Including lead and cement for joints. The concrete joints are to be filled with asphaltum.

PIPE SEWER.—Lansdowne, Pa.—The following bids were received May 18, 1900, for constructing 6,660 ft. of 24-in. pipe sewer in Lansdowne Ave., etc.; R. H. Johnson & Co. were the lowest bidders at about $21,000; H. L. Warren, Secy:

Bidder.	24-in. sewer, pipe.	Manholes, each.	Flushtanks, each.
R. H. Johnson & Co, Wayne, Pa.	$2.50	$117	$309
Shoemaker & Miller, Lansdowne	3.90	40	175
B. F. Sweeten & Son, Camden, N.J.	4.97	45	175
McGlathary & Kelly, Philadelphia.	4.58	30	110
D. Peoples & Co., Philadelphia	5.49	35	250
E. F. Kitson, Reading, Pa.	1.75	60	75

TELEGRAPH CABLES.—Washington, D. C.—The following bids were received by the district commissioners last week for underground cables for police and fire telegraph and telephone service; (1) being for 2,600 ft. of 30-pair telephone cable, (2) for 4,500 ft. of 25-pair, (3) for 3,000 ft. of 20-pair, (4) for 2,600 ft. of 15-pair telegraph cable, (5) for 7,500 ft. of 12-pair, (6) for 1,500 ft. of 15-pair combination cable, (7) for 1,000 ft. of 10-pair, (8) for 1,300 ft. of 5-pair, (9) 3,500 ft. of 3-pair, (10) for 2,000 ft. of 45-pair, (11) for 1,000 ft. of 37-pair, (12) for 3,000 ft. of 32-pair: Simplex Electrical Co., Boston, (6) 26 cts., (7) 27.2 cts., (8) 17.3 cts., (9) 13.2 cts.; Safety Insulated Wire & Cable Co., 225 West 28th St., New York, (6) 37.5 cts., (7) 27.5 cts., (8) 16.75 cts., (9) 12.5 cts.; The Okonite Co., New York, (6) 55 cts., (7) 42 cts., (8) 27 cts., (9) informal, no deposit; National Conduit & Cable Co., Times Bldg., New York, (1) 23.5 cts., (2) 20.5 cts., (3) 18.25 cts., (4) 15.75 cts., (5) 13.5 cts., (10) 40 cts., (11) 36 cts., (12) 33.5 cts.; Hazard Mfg. Co., 50 Dey St., New York, and Wilkesbarre, Pa., (6) 42 cts., (7) 31 cts., (8) 19.5 cts., (9) 12.75 cts.; Chesapeake & Potomac Telephone Co., Washington, (1) 22.57 cts., (2) 20.25 cts., (3) 18.25 cts., (4) 25.8 cts., (5) 21.9 cts., (6) 37.68 cts., (7) 27.7 cts., (8) 16.8 cts., (9) 12.6 cts., (10) 39.76 cts., (11) 33.6 cts., (12) 31.5 cts.; Standard Underground Cable Co., Pittsburg, Pa., (1) 23.7 cts., (2) 21 cts., (3) 19.9 cts., (4) 24.7 cts., (5) 22 cts., (6) 34.4 cts., (7) 25.2 cts., (8) 16 cts., (9) 12.1 cts., (10) 34.9 cts., (11) 30.3 cts., (12) 28.5 cts.; John A. Roebling Sons & Co., Trenton N.J., (1) 27 cts., (2) 23 cts., (3) 22 cts., (4) 24.25 cts., (5) 21⅛ cts., (6) 35.25 cts., (7) 25.75 cts., (8) 15.75 cts., (9) 11.75 cts., (10) 40.25 cts., (11) 35 cts., (12) 32 cts.

REMOVING EARTH.—Matamoras, Pa.—G. W. Babcock & Co., Port Jervis, N. Y., have been awarded the contract for removing earth for the Matamoras Water Co. at 25 cts. a cu. yd.

INDUSTRIAL NOTES.

THE GREEN FUEL ECONOMIZER CO., Matteawan, N. Y., reports among recent orders one for the Manhattan Ry. Co. for its new 100,000-HP. plant. These economizers are to be installed in the new power house at 74th St. and East River, New York city, and when the plant is completed it is claimed that this will be the largest plant of economizers running in the world. Only a short time ago an order was received for a 32,000-HP. plant for the Third Ave. R. R. Co.'s Kingsbridge power house.

THE CLAYTON AIR COMPRESSOR WORKS, 26 Cortlandt St., New York, has recently brought out a new type of duplex belt air compressor, built in small and medium sizes and embodying all of the latest improvements. The company has recently equipped five plants of the Brooklyn Heights Rapid Transit Co. with compressors and pneumatic hoists; also the Grasselli Chemical Co., General Chemical Co., De La Vergne Refrigerating Machine Co., Union Brewing Co., Gill Machine Works, White Machine Shops, etc. Its export trade has more than doubled, and it is shipping its product to England, Germany, Russia, France, Italy and Japan. Many orders are being received from Mexico and South America.

CORPORATION NOTICE.

BRICK PAVING.

ROME, N. Y.

Sealed proposals will be received by the Common Council of the City of Rome, N. Y., at the meeting to be held in the Common Council Chamber at 7.30 o'clock p. m., on the 4th day of June, 1900, for the construction of a brick pavement on West Dominick Street, from George Street to Wood Creek Bridge, containing about 7,600 sq. yds.

No proposal will be considered which shall not be accompanied by a bond with sureties to be approved by the Common Council in the penalty of $500.00, or a certified check for like amount drawn upon a bank to be approved by the Common Council, conditioned that if the proposal be accepted the person proposing will enter into the contract upon the terms proposed, and will give a further bond with sureties, and in an amount to be approved by the Common Council, conditioned that the person proposing will construct the work at the price and according to the plans and specifications hereby adopted and subject to the approval of such person as the Common Council may designate for that purpose; and that the person making the proposal will erect and maintain suitable guards and lights to prevent injuries to such work or to persons and property by or in consequence of the prudent and careful use of said street during the progress of said work, and save harmless and indemnify the City in accordance with Section 6 of Title VI. of the Charter of the City of Rome.

The plans can be seen and copies of the specifications and blank forms for proposals obtained at the office of the City Engineer in the City Hall.

The Common Council reserves the right to accept the lowest bid or to reject all bids.

Bids shall be sealed and addressed to the Common Council of the City of Rome, N. Y., and endorsed on the outside of the envelopes containing them, "Proposal for Brick Paving, West Dominick Street."

F. A. COLEMAN,
City Engineer.

22-1t

Contract Work Should Always be Advertised in a Paper Read by Contractors.

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